

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122018\
 Data File : VW007690.D
 Acq On : 19 Dec 2018 07:08
 Operator : SY/AP
 Sample : J6386-13MS
 Misc : 5.66G/5ML/MSVOA W/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 19 08:20:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	50424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	84358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	65743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	24002	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	31688	56.64	ug/l	0.00
Spiked Amount			Recovery	=	113.28%	
35) Dibromofluoromethane	7.88	113	28300	55.42	ug/l	0.00
Spiked Amount			Recovery	=	110.84%	
50) Toluene-d8	10.32	98	89855	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
62) 4-Bromofluorobenzene	12.62	95	28649	40.70	ug/l	0.00
Spiked Amount			Recovery	=	81.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	18749	53.209	ug/l	94
3) Chloromethane	2.21	50	13404	45.420	ug/l	97
4) Vinyl Chloride	2.37	62	17286	49.914	ug/l	95
5) Bromomethane	2.78	94	12101	52.006	ug/l	95
6) Chloroethane	2.93	64	10317	54.119	ug/l	93
7) Trichlorofluoromethane	3.26	101	18639	59.864	ug/l	98
8) Diethyl Ether	3.68	74	15690	64.385	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	24163	47.033	ug/l	98
10) Methyl Iodide	4.26	142	44520	52.323	ug/l	97
11) Tert butyl alcohol	5.17	59	11266	293.234	ug/l	96
12) 1,1-Dichloroethene	4.03	96	26926	54.435	ug/l	99
14) Allvl chloride	4.67	41	37279	51.129	ug/l	95
15) Acrylonitrile	5.36	53	30922	301.002	ug/l	98
16) Acetone	4.12	43	57893	592.480	ug/l	100
17) Carbon Disulfide	4.37	76	73138	48.765	ug/l	100
18) Methyl Acetate	4.67	43	48130	181.484	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	49017	65.689	ug/l	98
20) Methylene Chloride	4.92	84	31604	59.922	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	30360	54.867	ug/l	96
22) Diisopropyl ether	6.31	45	75923	54.174	ug/l	96
23) Vinyl Acetate	6.31	43	42945	54.785	ug/l #	73
24) 1,1-Dichloroethane	6.21	63	53507	56.490	ug/l	99
25) 2-Butanone	7.17	43	35419	277.655	ug/l	99
26) 2,2-Dichloropropane	7.17	77	33314	53.143	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	33891	55.937	ug/l	99
28) Bromochloromethane	7.51	49	19556	54.889	ug/l #	4
29) Tetrahydrofuran	7.52	42	24275	300.594	ug/l	93
30) Chloroform	7.68	83	60256	58.457	ug/l	99
31) Cyclohexane	7.95	56	29433	33.868	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	50933	56.347	ug/l	99
36) 1,1-Dichloropropene	8.08	75	39088	50.794	ug/l	98
37) Ethyl Acetate	7.25	43	1440	5.031	ug/l #	75
38) Carbon Tetrachloride	8.07	117	45668	54.540	ug/l	94
39) Methylcyclohexane	9.34	83	25086	26.921	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.32	78	117610	55.071	ug/l	99
41) Methacrylonitrile	7.48	41	7752	47.561	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	44360	66.124	ug/l	97
43) Isopropyl Acetate	8.43	43	8407	14.870	ug/l #	53
44) Trichloroethene	9.09	130	31816	52.171	ug/l	99
45) 1,2-Dichloropropane	9.37	63	28392	57.450	ug/l	99
46) Dibromomethane	9.46	93	17835	63.548	ug/l	98
47) Bromodichloromethane	9.65	83	44390	60.299	ug/l	98
48) Methyl methacrylate	9.43	41	18940	65.228	ug/l	94
49) 1,4-Dioxane	9.45	88	5376	1180.558	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	81153	303.786	ug/l	99
52) Toluene	10.39	92	72112	52.177	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	39545	55.332	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	43851	53.077	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	23915	62.610	ug/l	96
56) Ethyl methacrylate	10.65	69	3952	8.608	ug/l #	75
57) 1,3-Dichloropropane	10.93	76	38999	62.205	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	66672	314.909	ug/l	98
59) 2-Hexanone	10.97	43	42539	238.811	ug/l	96
60) Dibromochloromethane	11.13	129	29636	61.480	ug/l	99
61) 1,2-Dibromoethane	11.23	107	23186	61.424	ug/l	96
64) Tetrachloroethene	10.87	164	20588	43.547	ug/l	95
65) Chlorobenzene	11.66	112	73955	53.970	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	30386	62.961	ug/l	99
67) Ethyl Benzene	11.73	91	120733	51.247	ug/l	91
68) m/p-Xylenes	11.84	106	91384	99.778	ug/l	98
69) o-Xylene	12.17	106	44352	51.851	ug/l	97
70) Stvrene	12.18	104	67247	48.673	ug/l	97
71) Bromoform	12.35	173	16426	66.496	ug/l #	99
73) Isopropylbenzene	12.47	105	102519	55.743	ug/l	99
74) N-amyl acetate	12.27	43	1310	3.919	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	23893	87.714	ug/l	92
76) 1,2,3-Trichloropropane	12.77	75	32304	163.231	ug/l #	1
77) Bromobenzene	12.75	156	28242	69.278	ug/l	95
78) n-propylbenzene	12.81	91	105201	50.828	ug/l	100
79) 2-Chlorotoluene	12.90	91	68491	54.689	ug/l	95
80) 1,3,5-Trimethylbenzene	12.94	105	78767	50.971	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	6580	73.446	ug/l	99
82) 4-Chlorotoluene	12.99	91	72073	54.595	ug/l	96
83) tert-Butylbenzene	13.21	119	63842	46.886	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	81119	51.011	ug/l	99
85) sec-Butylbenzene	13.39	105	73452	39.516	ug/l	97
86) p-Isopropyltoluene	13.50	119	65394	39.160	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	41219	50.713	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	43284	52.971	ug/l	97
89) n-Butylbenzene	13.83	91	46341	29.935	ug/l	99
90) Hexachloroethane	14.10	117	11312	38.071	ug/l	94
91) 1,2-Dichlorobenzene	13.88	146	39533	54.304	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4503	82.376	ug/l	93
93) 1,2,4-Trichlorobenzene	15.14	180	13939	27.823	ug/l	92

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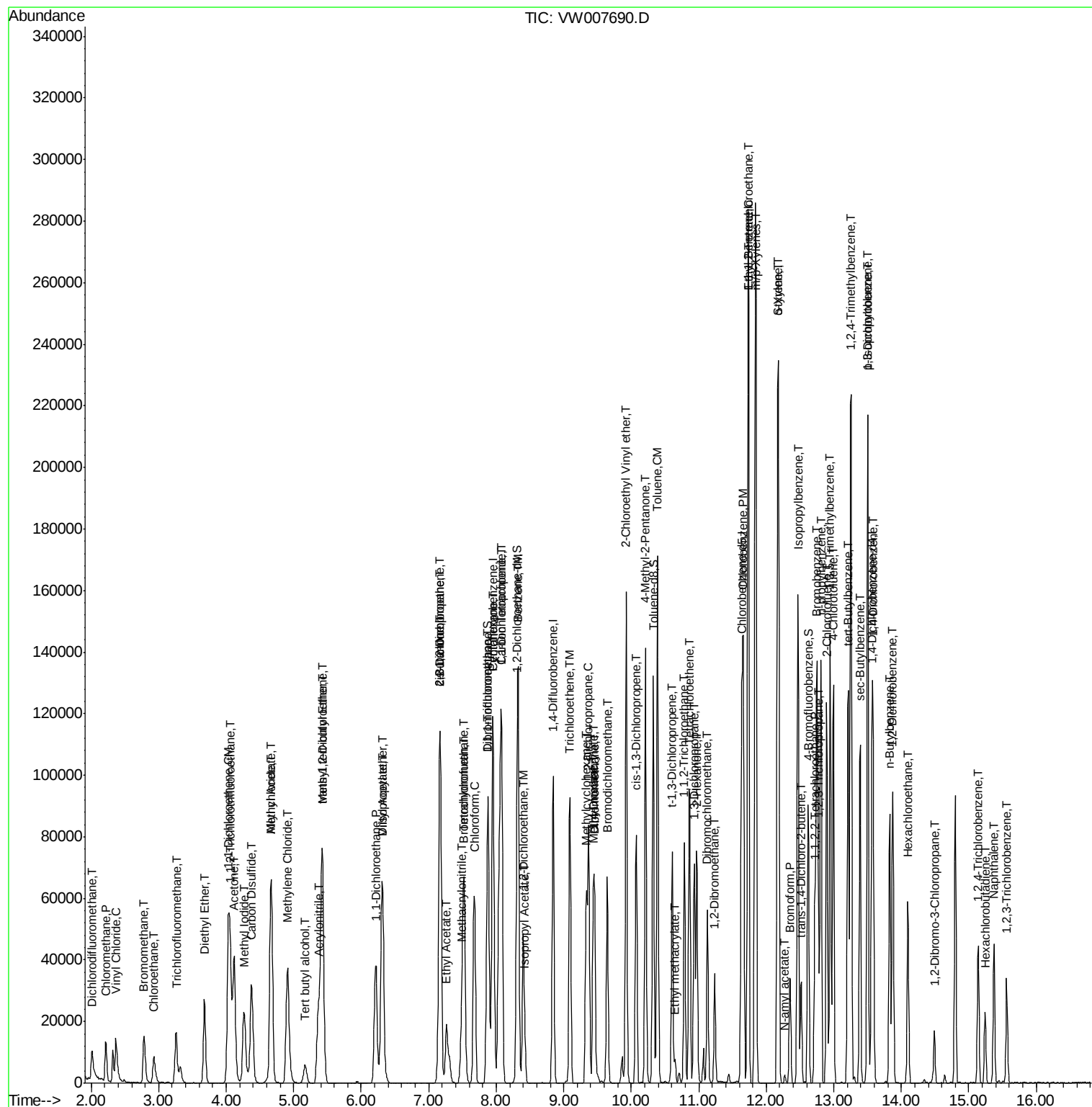
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	4196	15.785	ug/l	97
95) Naphthalene	15.38	128	40586	42.347	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	11696	26.875	ug/l	97

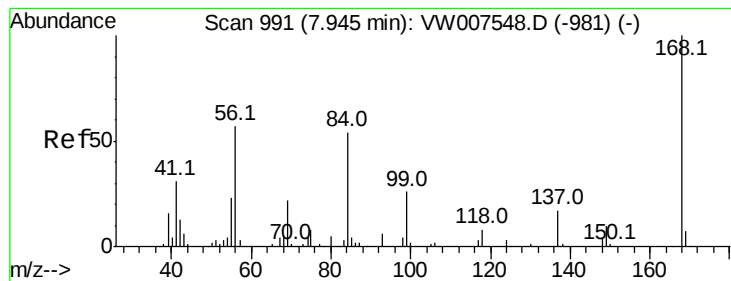
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122018\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

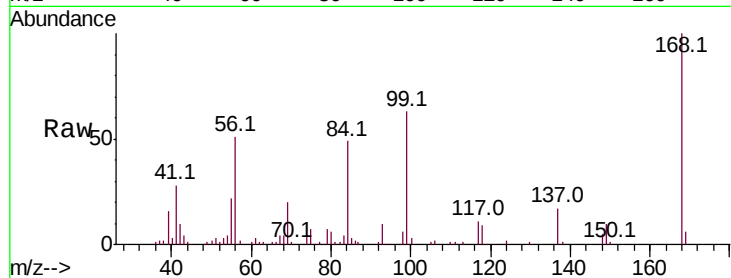
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 50424

Ion Ratio Lower Upper

168 100

99 62.8 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

25000

20000

15000

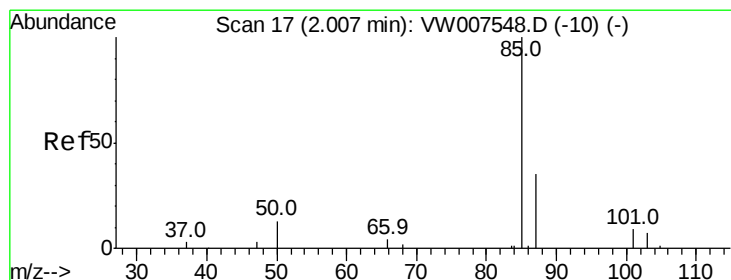
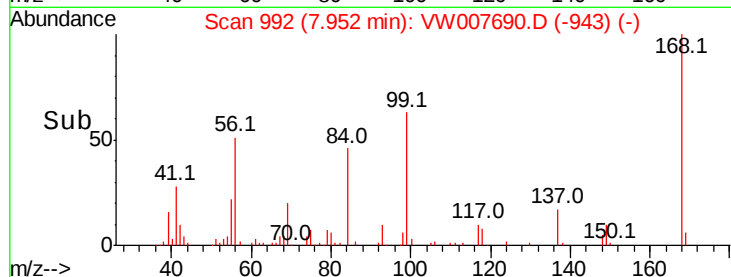
10000

5000

0

Time-->

7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: 53.209 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007690.D

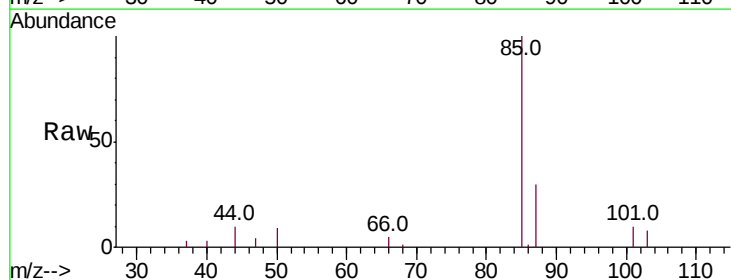
Acq: 19 Dec 2018 07:08

Tgt Ion: 85 Resp: 18749

Ion Ratio Lower Upper

85 100

87 29.8 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

5000

4000

3000

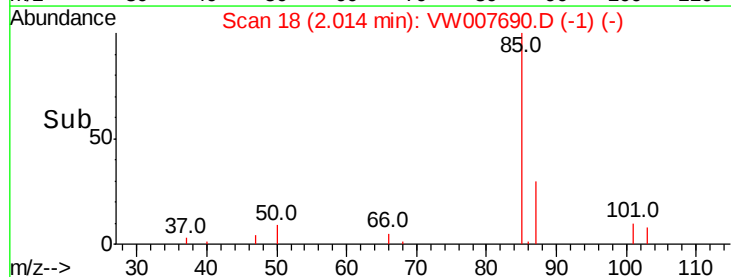
2000

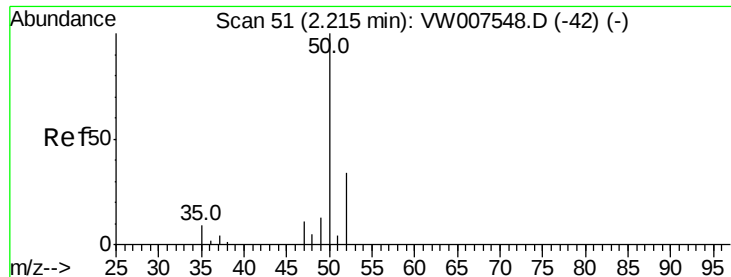
1000

0

Time-->

1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 45.420 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

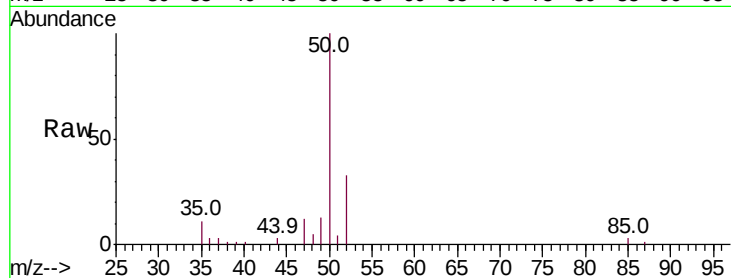
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 50 Resp: 13404

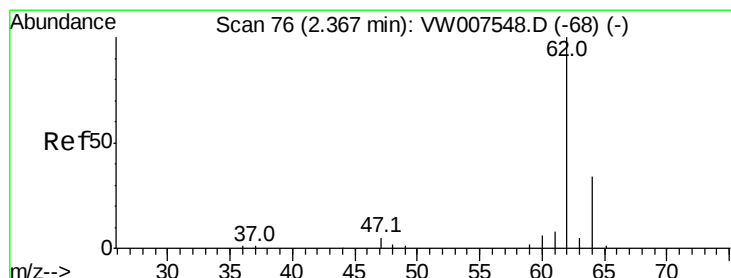
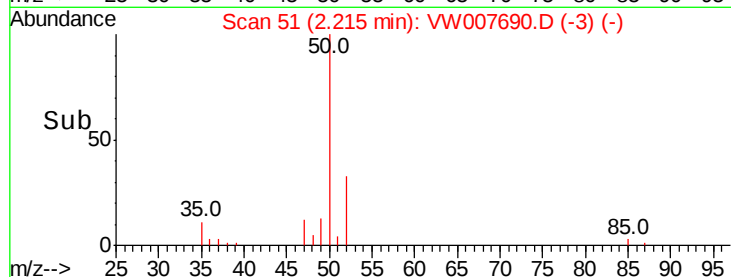
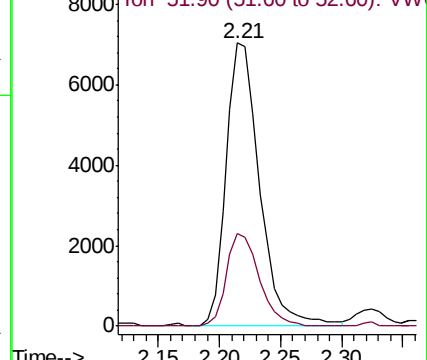
Ion Ratio Lower Upper

50 100

52 32.6 27.4 41.0



Abundance Ion 49.90 (49.60 to 50.60): VW
Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 49.914 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007690.D

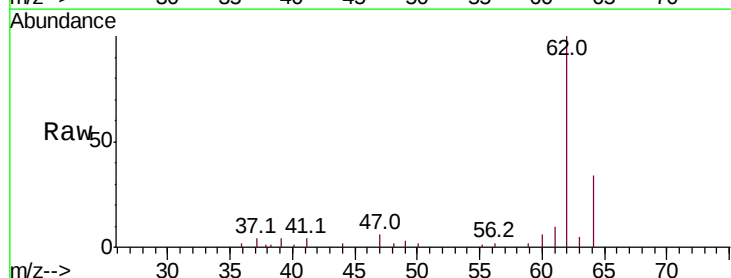
Acq: 19 Dec 2018 07:08

Tgt Ion: 62 Resp: 17286

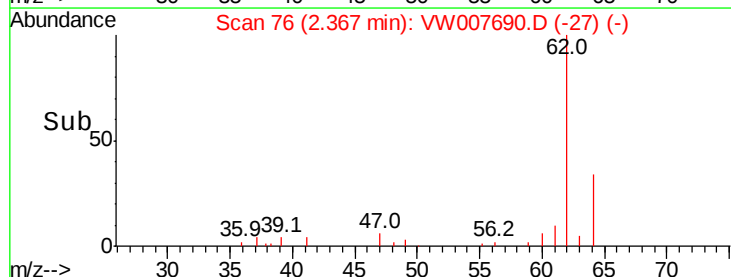
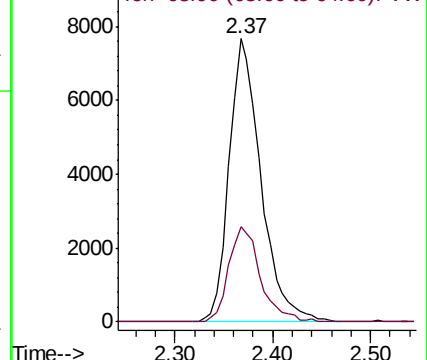
Ion Ratio Lower Upper

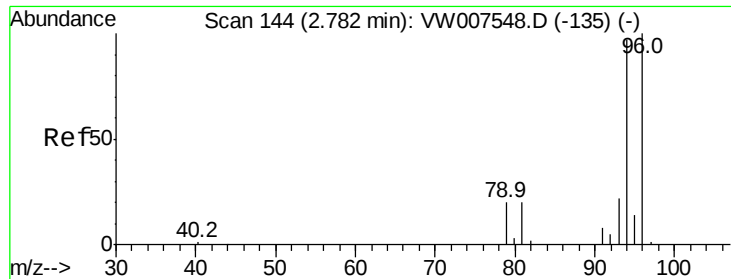
62 100

64 33.6 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 52.006 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

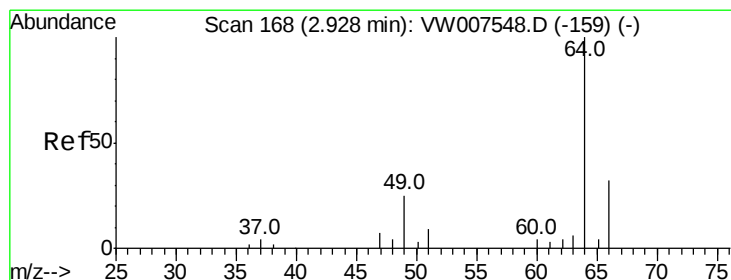
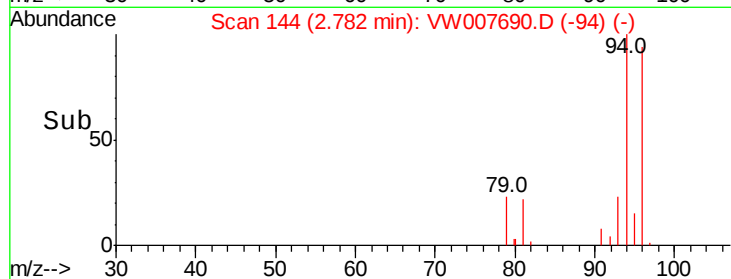
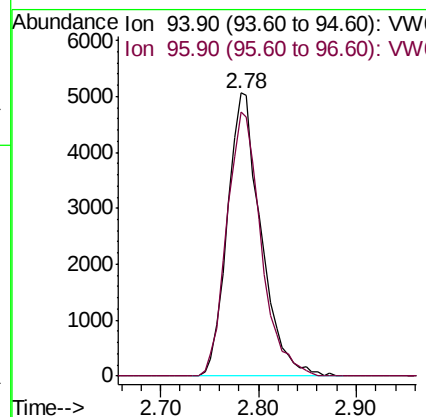
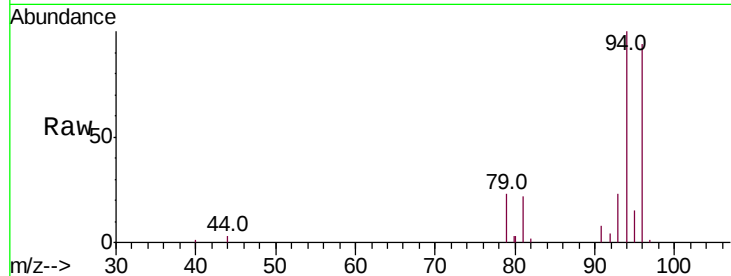
ClientSampleId :

Tot Ion: 94 Resp: 12101

Ion Ratio Lower Upper

94 100

96 93.5 71.0 106.4



#6

Chloroethane

Concen: 54.119 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW007690.D

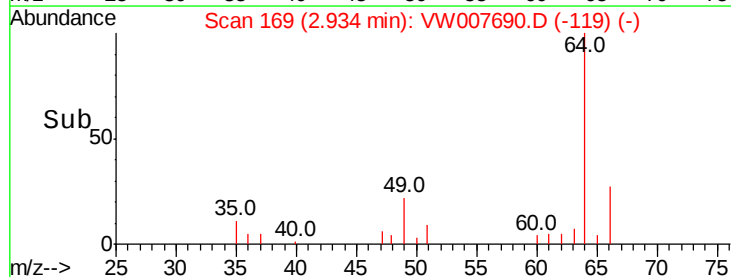
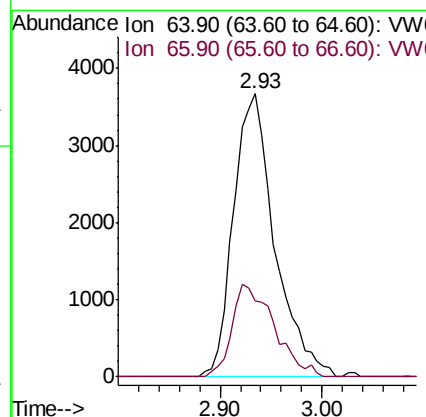
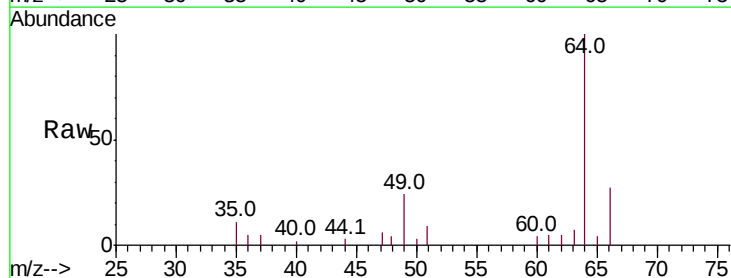
Acq: 19 Dec 2018 07:08

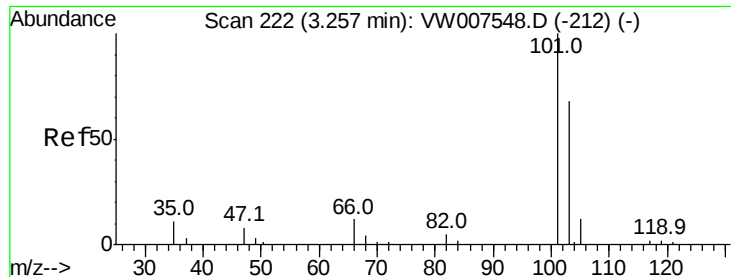
Tgt Ion: 64 Resp: 10317

Ion Ratio Lower Upper

64 100

66 27.0 24.6 37.0



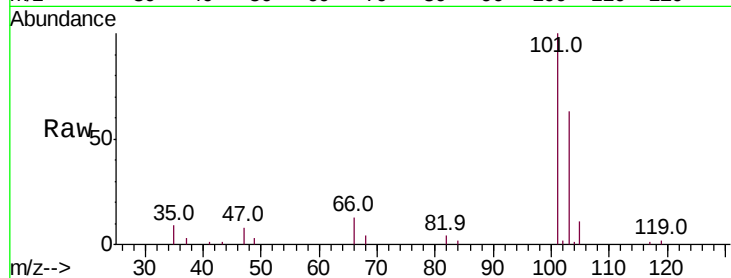


#7

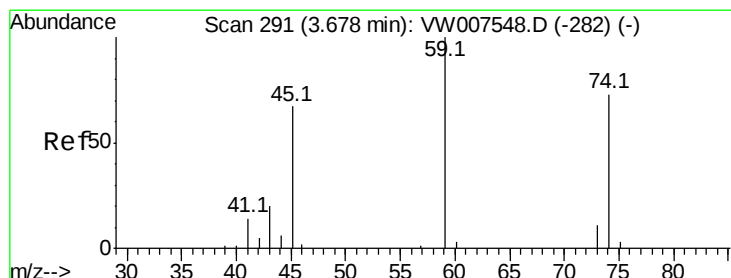
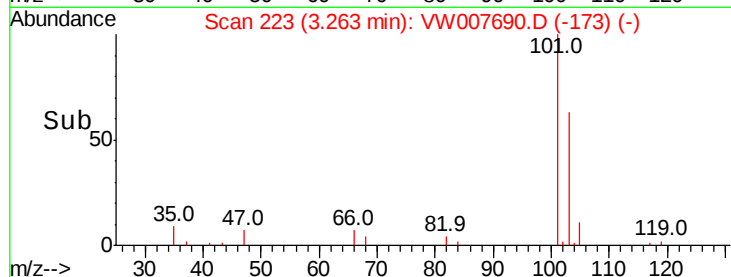
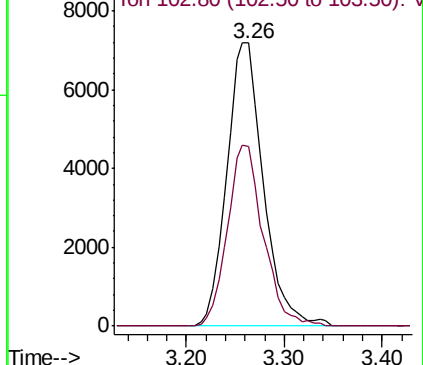
Trichlorofluoromethane
Concen: 59.864 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.01 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 18639
Ion Ratio Lower Upper
101 100
103 63.3 51.7 77.5



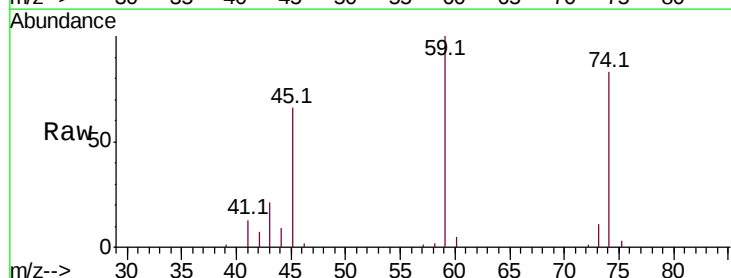
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



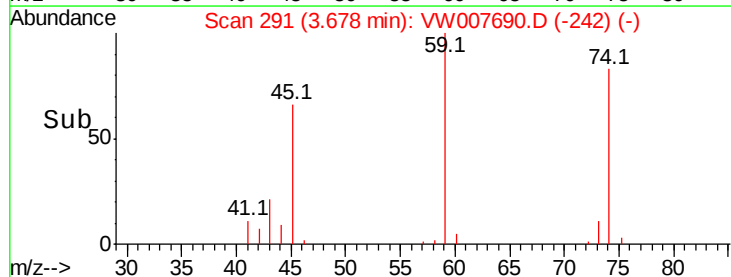
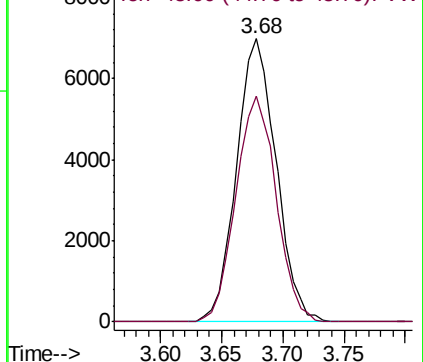
#8

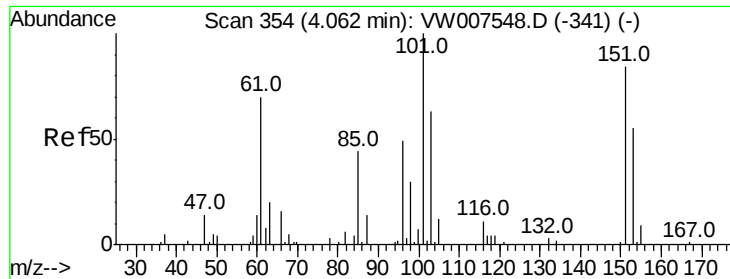
Diethyl Ether
Concen: 64.385 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

Tgt Ion: 74 Resp: 15690
Ion Ratio Lower Upper
74 100
45 81.3 43.0 129.0



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.033 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

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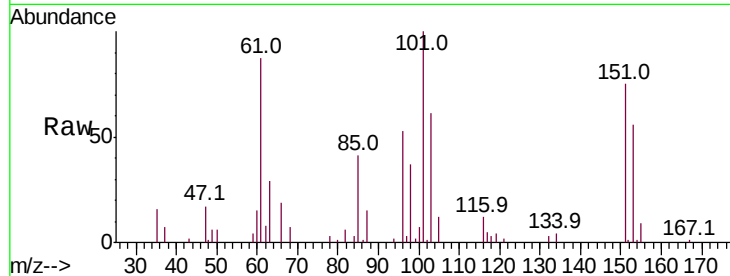
Tot Ion:101 Resp: 24163

Ion Ratio Lower Upper

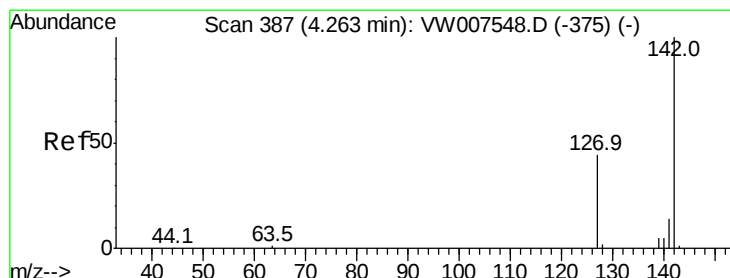
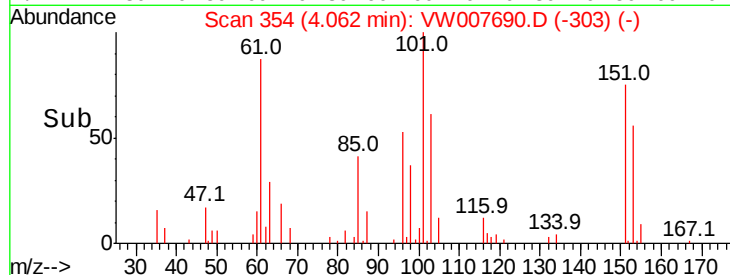
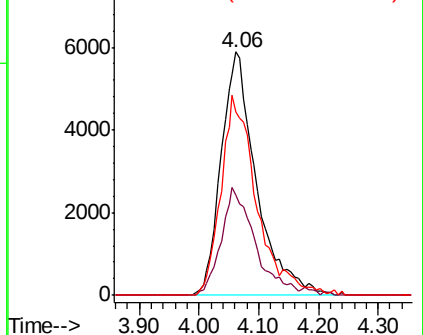
101 100

85 42.3 33.9 50.9

151 82.9 63.7 95.5



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VV
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.323 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

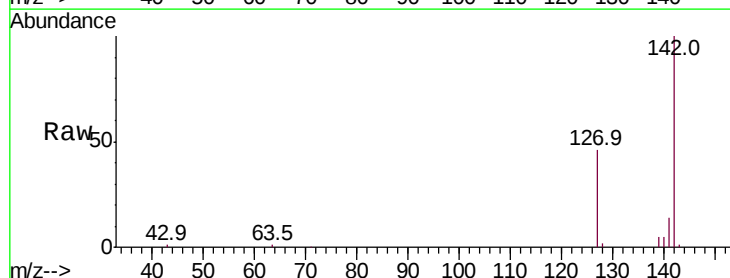
Tgt Ion:142 Resp: 44520

Ion Ratio Lower Upper

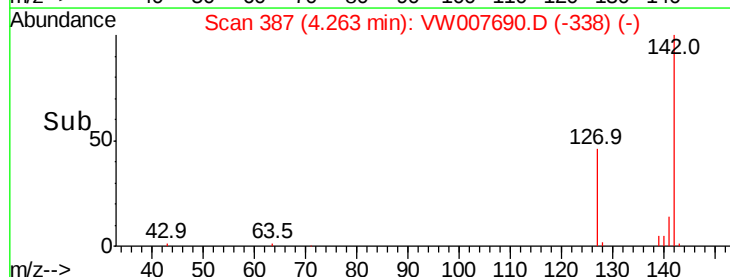
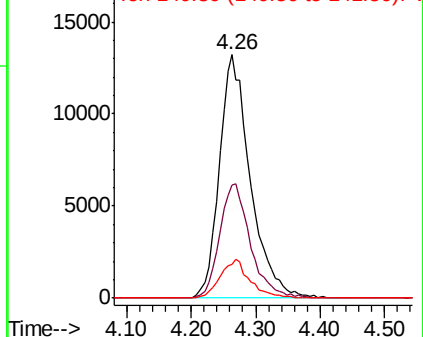
142 100

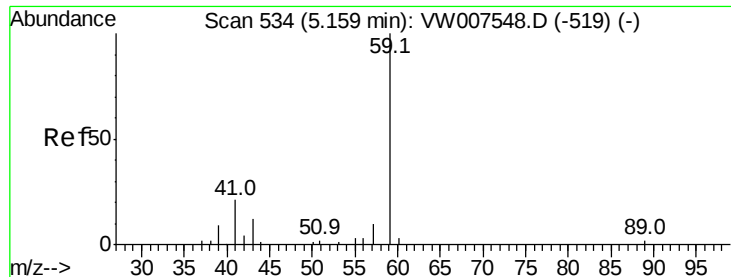
127 46.7 35.8 53.6

141 15.0 11.1 16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

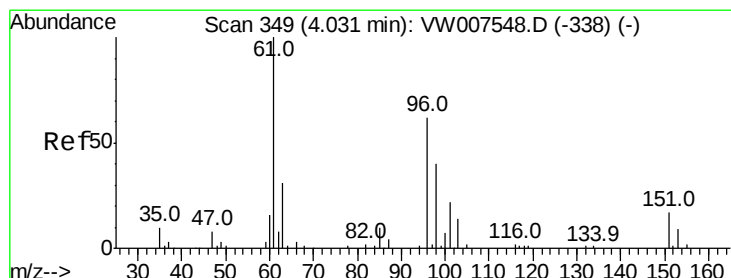
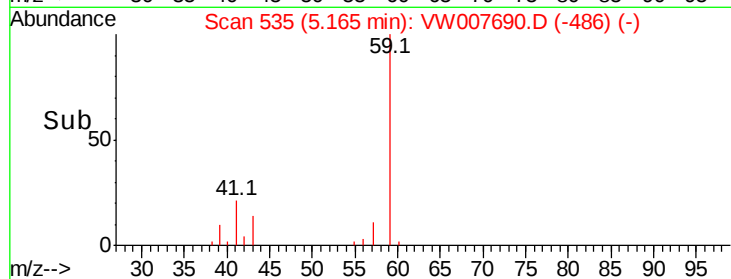
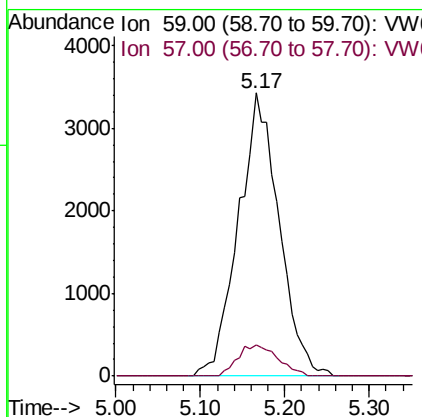
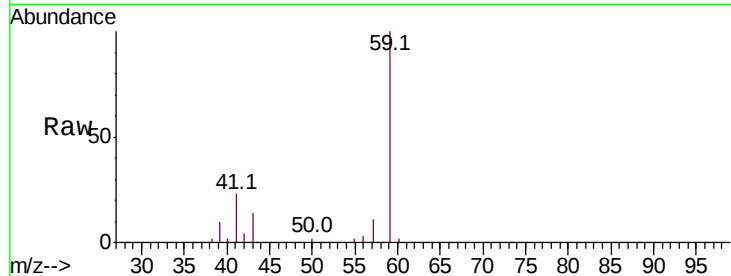




#11
Tert butyl alcohol
Concen: 293.234 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

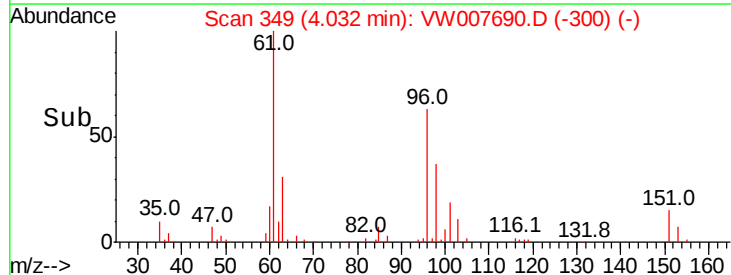
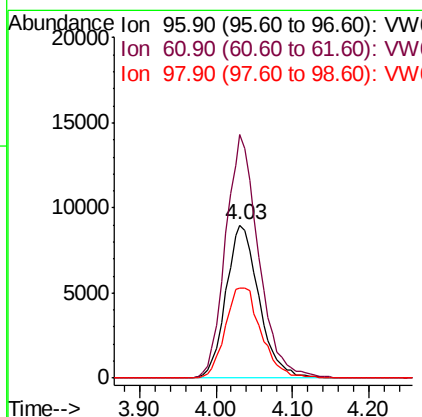
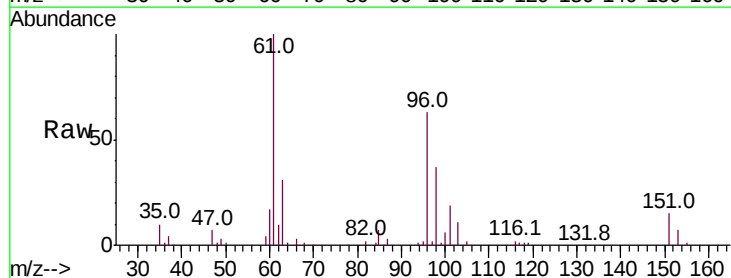
Instrument :
MSVOA_D
ClientSampleId :

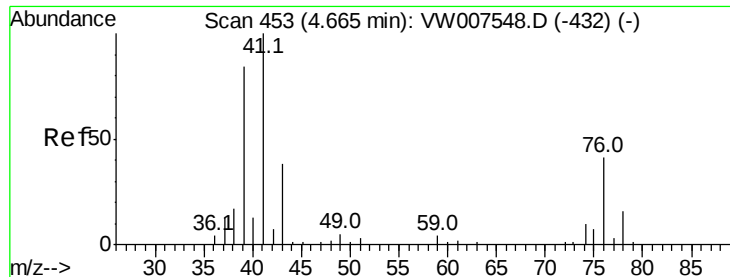
Tot Ion: 59 Resp: 11266
Ion Ratio Lower Upper
59 100
57 10.9 7.6 11.4



#12
1,1-Dichloroethene
Concen: 54.435 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

Tgt Ion: 96 Resp: 26926
Ion Ratio Lower Upper
96 100
61 158.8 126.2 189.2
98 59.0 48.3 72.5

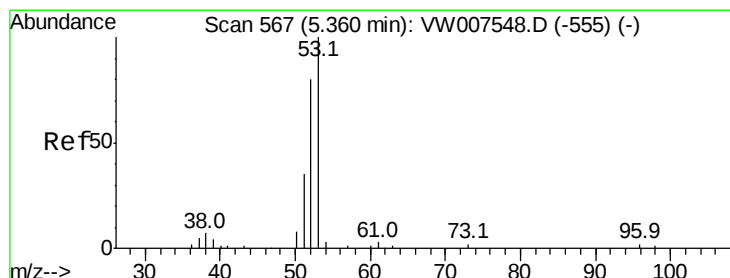
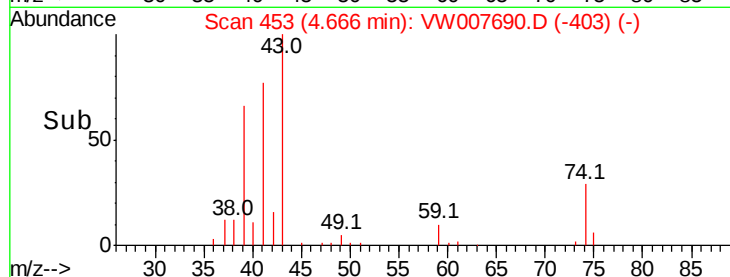
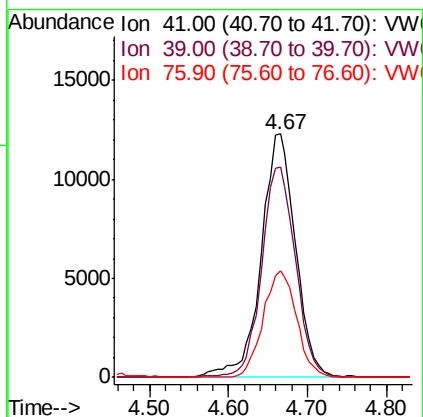
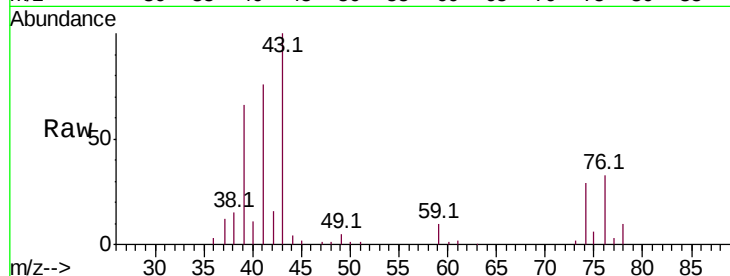




#14
Allvl chloride
Concen: 51.129 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

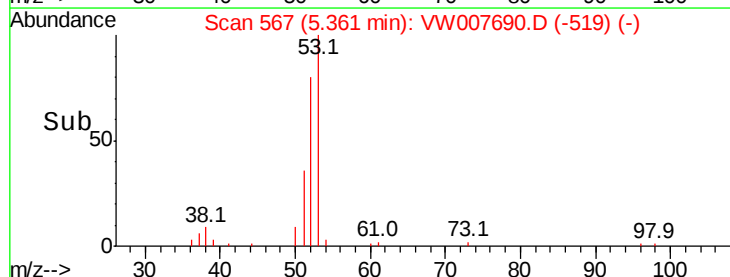
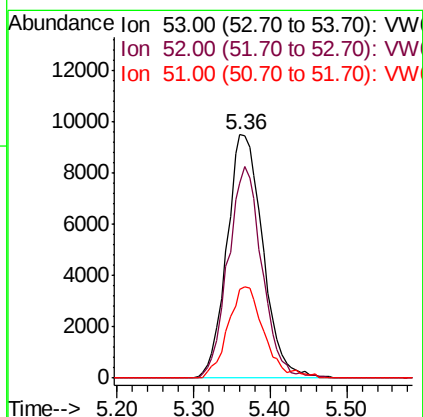
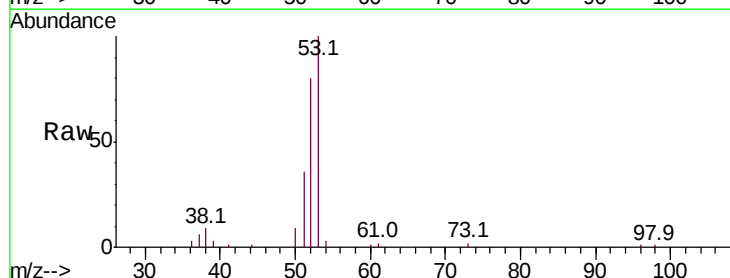
Instrument :
MSVOA_D
ClientSampleId :

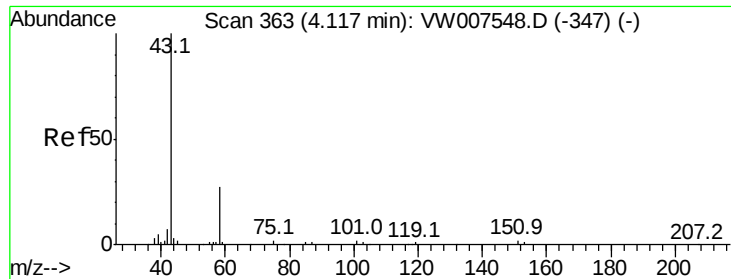
Tot Ion: 41 Resp: 37279
Ion Ratio Lower Upper
41 100
39 85.0 63.4 95.2
76 42.2 32.1 48.1



#15
Acrylonitrile
Concen: 301.002 ug/l
RT: 5.36 min Scan# 567
Delta R.T. -0.01 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

Tgt Ion: 53 Resp: 30922
Ion Ratio Lower Upper
53 100
52 82.0 67.4 101.2
51 37.8 30.2 45.2





#16

Acetone

Concen: 592.480 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

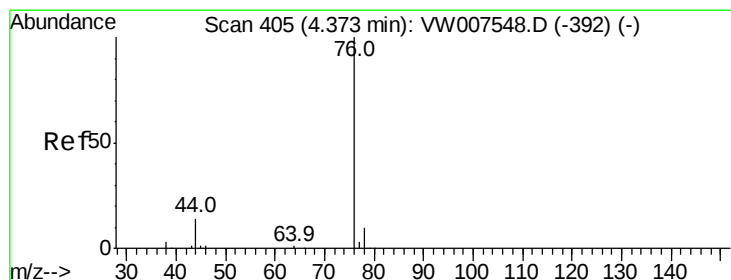
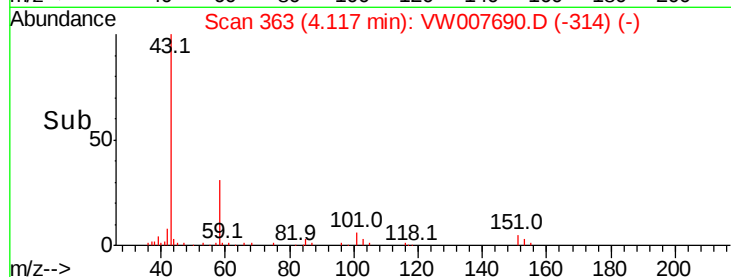
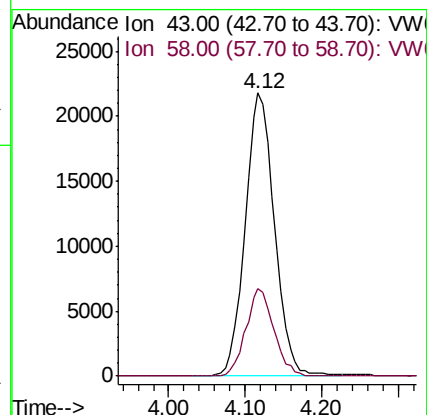
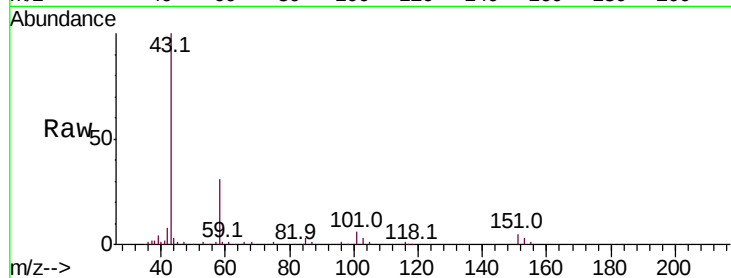
ClientSampleId :

Tot Ion: 43 Resp: 57893

Ion Ratio Lower Upper

43 100

58 31.1 24.9 37.3



#17

Carbon Disulfide

Concen: 48.765 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW007690.D

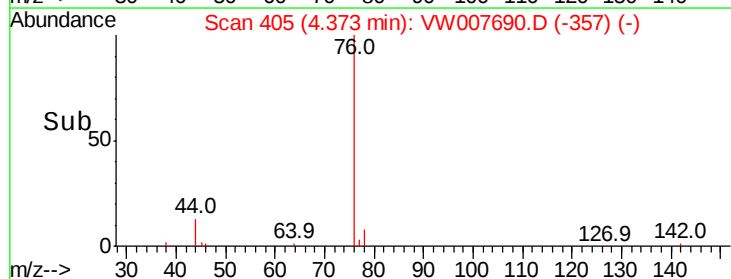
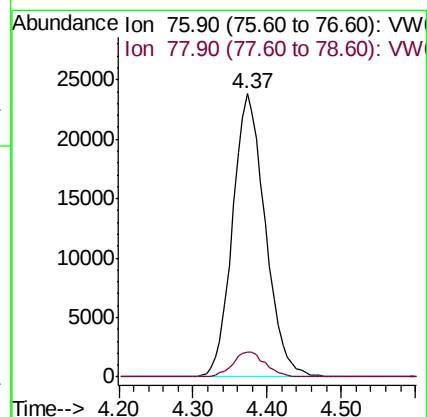
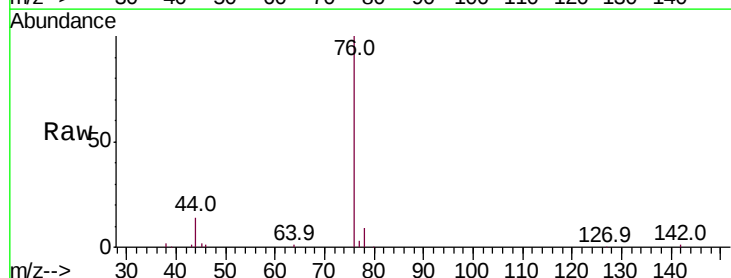
Acq: 19 Dec 2018 07:08

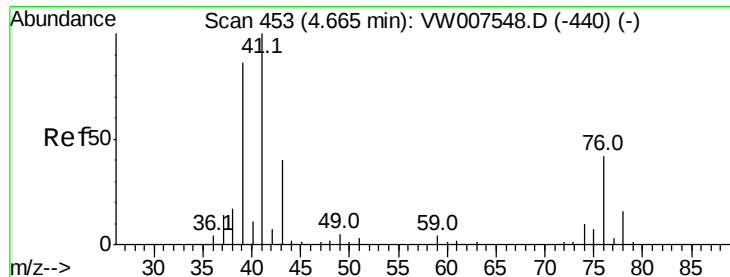
Tgt Ion: 76 Resp: 73138

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

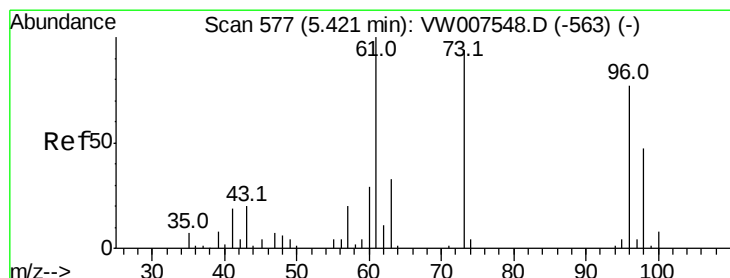
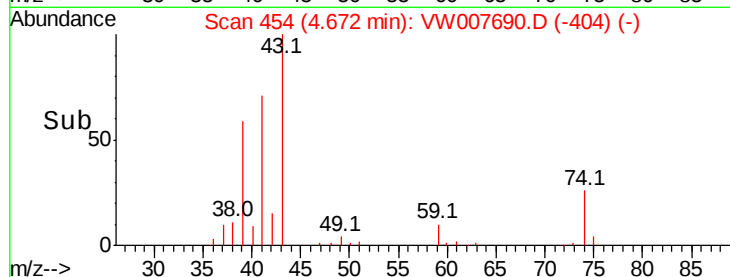
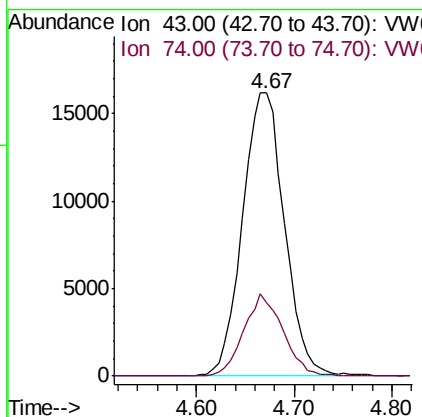
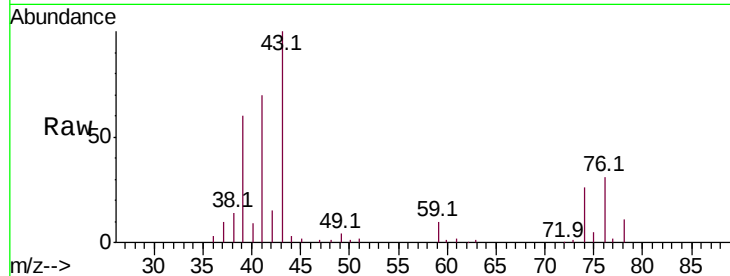




#18
Methyl Acetate
Concen: 181.484 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

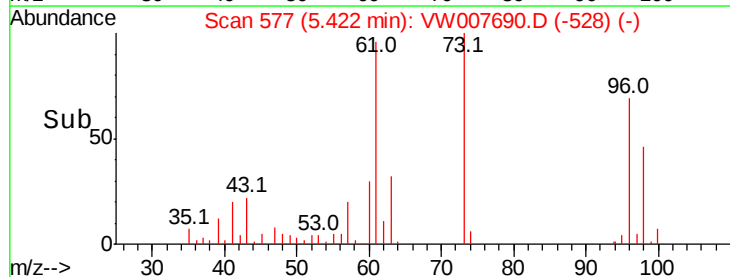
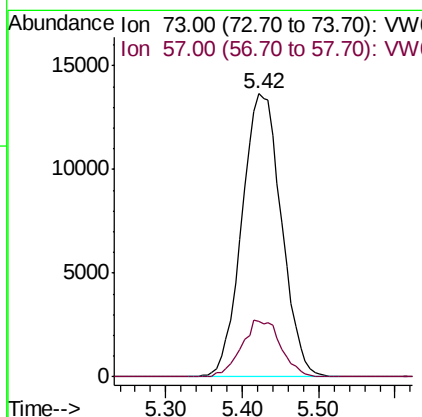
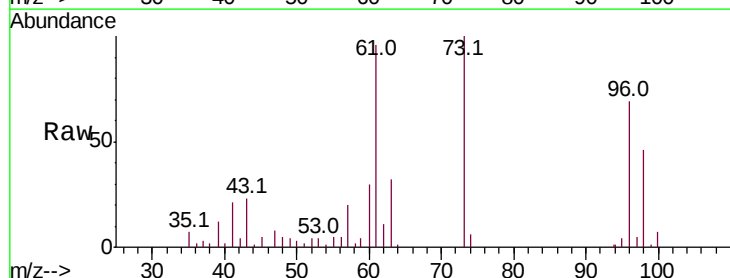
Instrument :
MSVOA_D
ClientSampled :

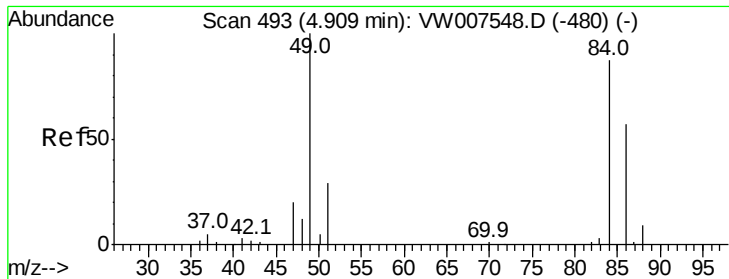
Tot Ion: 43 Resp: 48130
Ion Ratio Lower Upper
43 100
74 27.0 21.1 31.7



#19
Methyl tert-butyl Ether
Concen: 65.689 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

Tgt Ion: 73 Resp: 49017
Ion Ratio Lower Upper
73 100
57 19.7 16.4 24.6





#20

Methylene Chloride

Concen: 59.922 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 84 Resp: 31604

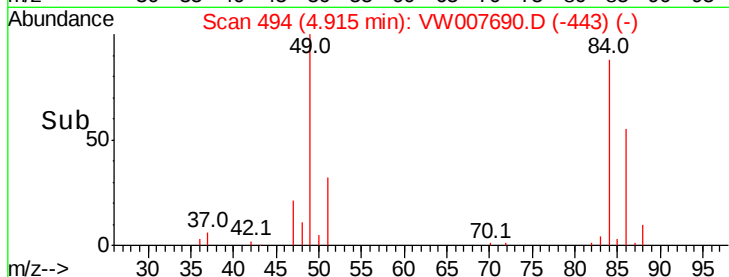
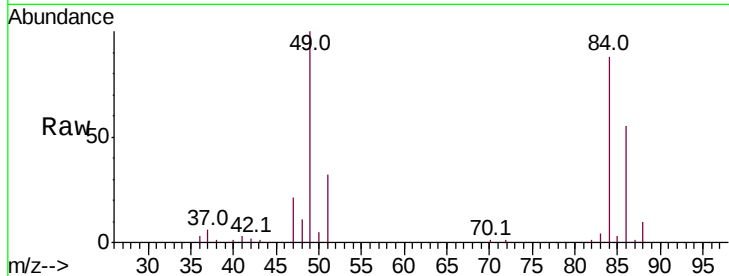
Ion Ratio Lower Upper

84 100

49 113.2 87.1 130.7

51 35.8 28.2 42.2

86 62.2 50.8 76.2

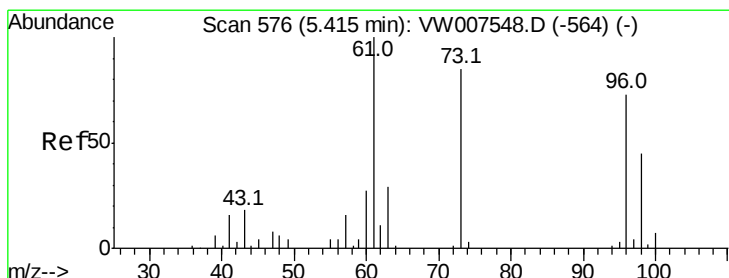
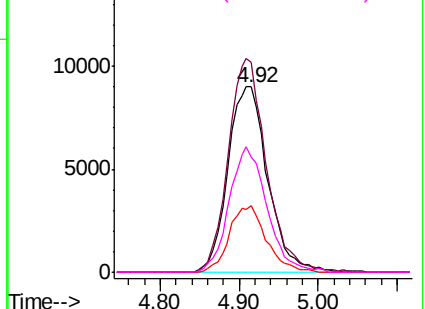


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#21

trans-1,2-Dichloroethene

Concen: 54.867 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

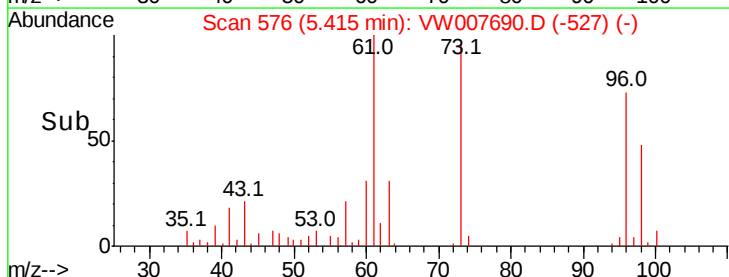
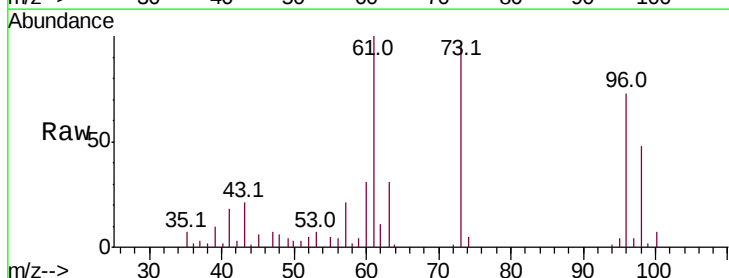
Tgt Ion: 96 Resp: 30360

Ion Ratio Lower Upper

96 100

61 136.4 105.0 157.6

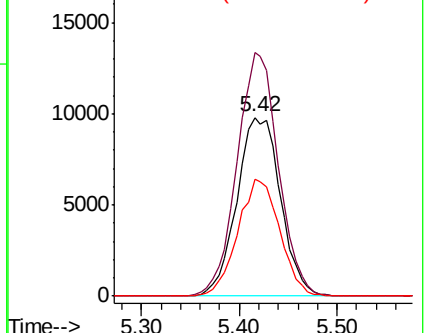
98 65.6 49.7 74.5

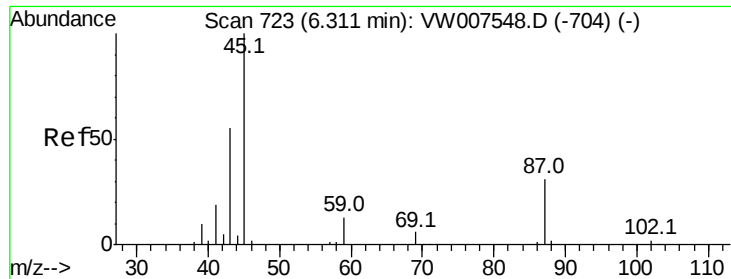


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

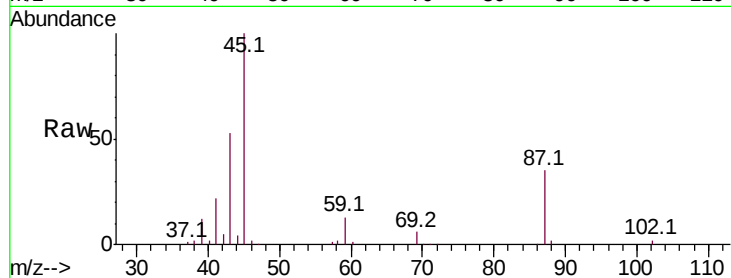




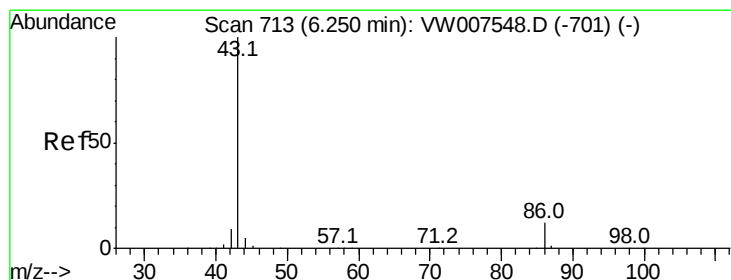
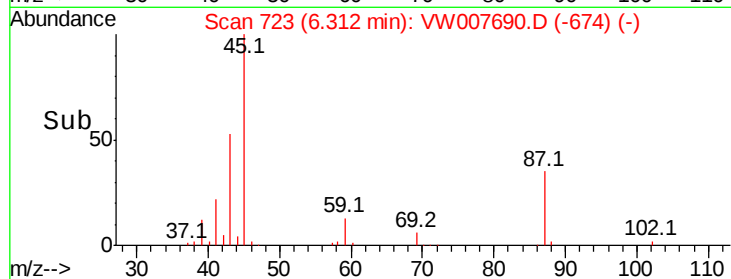
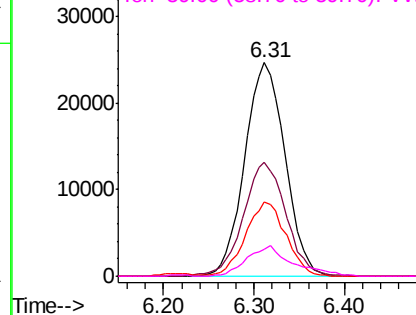
#22
Diisopropyl ether
Concen: 54.174 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.00 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	45	Resp:	75923
Ion	Ratio	Lower	Upper
45	100		
43	52.8	41.6	62.4
87	34.9	24.3	36.5
59	12.5	9.4	14.0

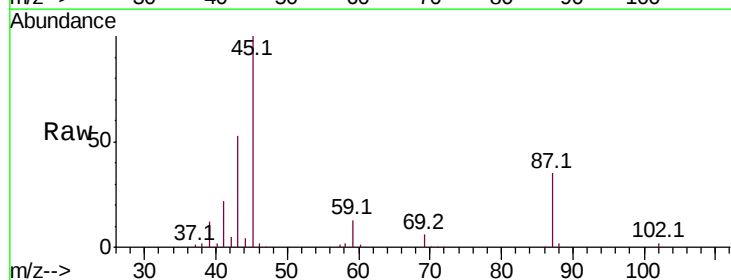


Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW

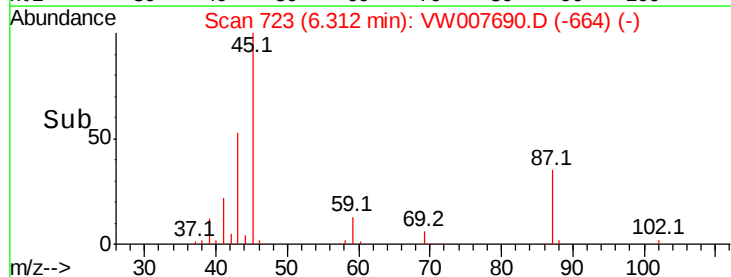
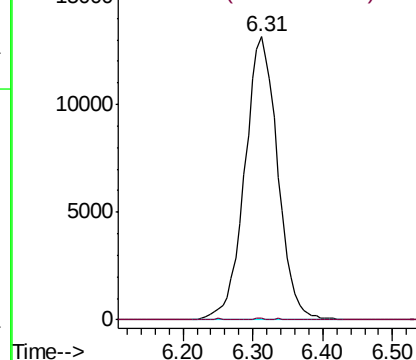


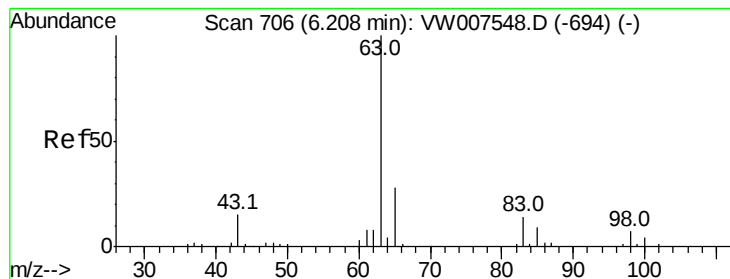
#23
Vinyl Acetate
Concen: 54.785 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.06 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

Tgt Ion:	43	Resp:	42945
Ion	Ratio	Lower	Upper
43	100		
86	0.6	8.6	12.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW





#24

1,1-Dichloroethane

Concen: 56.490 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

ClientSampleId :

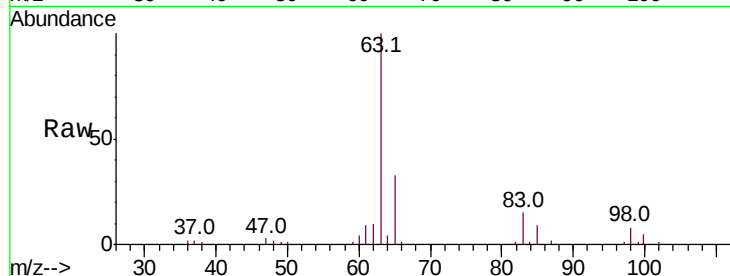
Tot Ion: 63 Resp: 53507

Ion Ratio Lower Upper

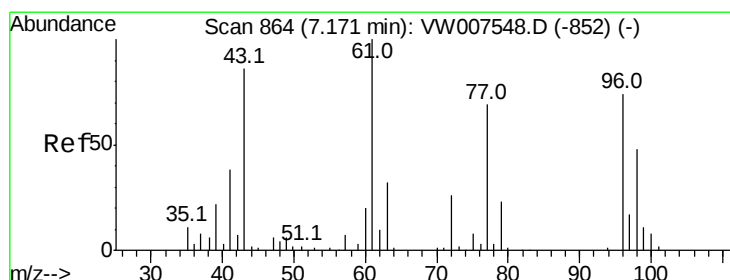
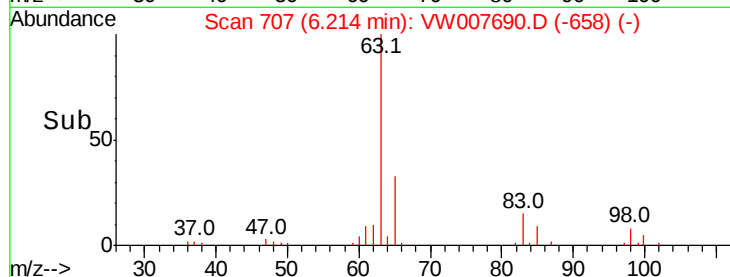
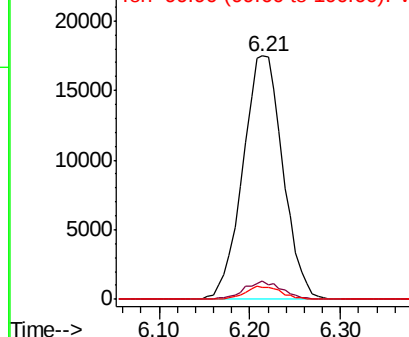
63 100

98 7.6 3.5 10.4

100 5.0 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW



#25

2-Butanone

Concen: 277.655 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007690.D

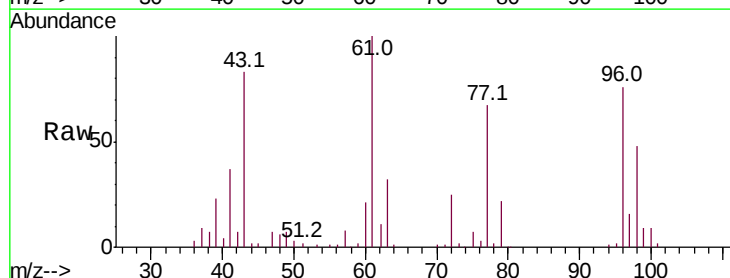
Acq: 19 Dec 2018 07:08

Tgt Ion: 43 Resp: 35419

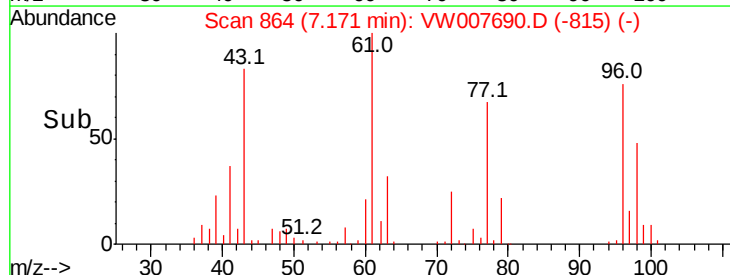
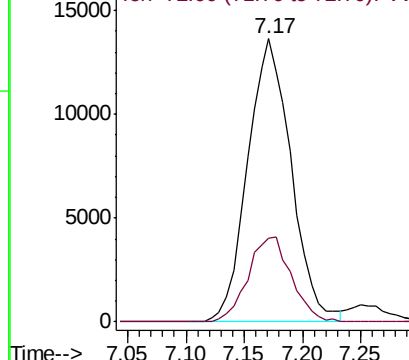
Ion Ratio Lower Upper

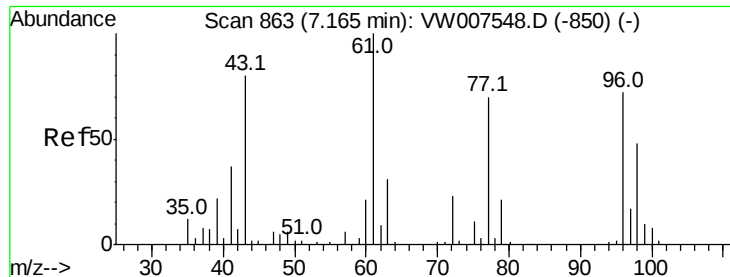
43 100

72 29.7 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

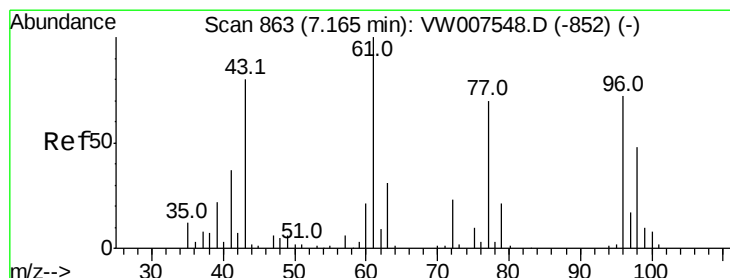
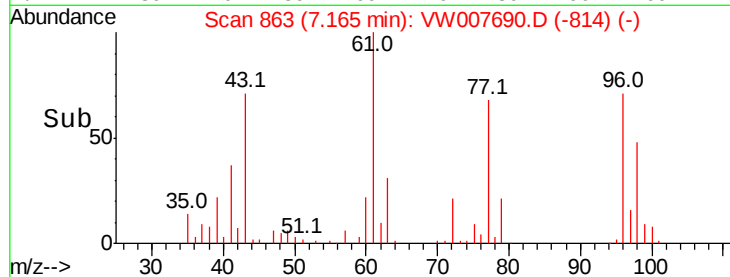
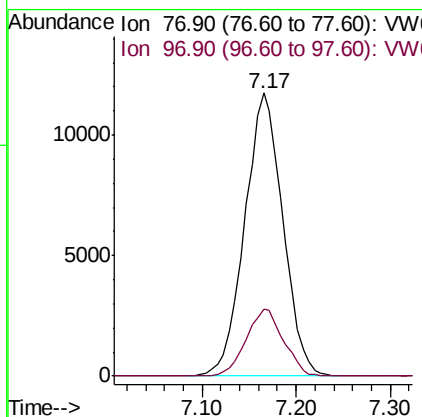
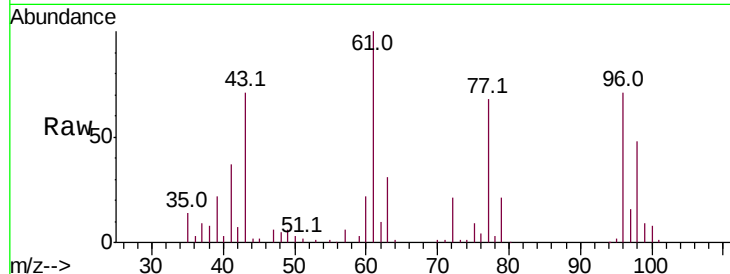




#26
 2,2-Dichloropropane
 Concen: 53.143 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW007690.D
 Acq: 19 Dec 2018 07:08

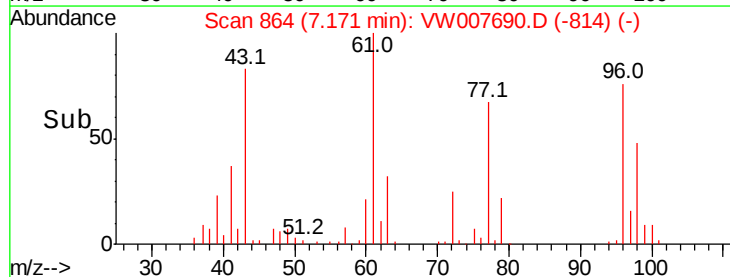
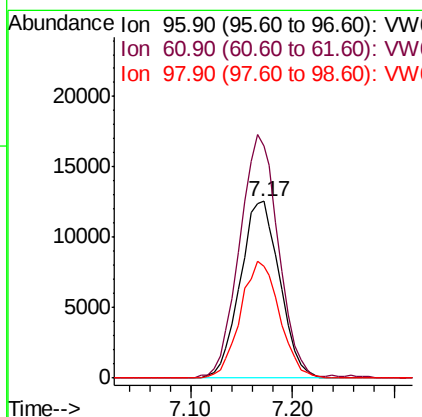
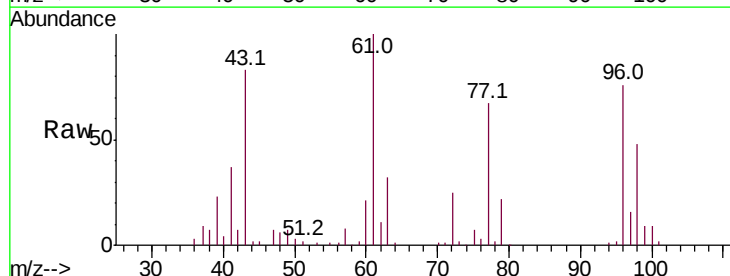
Instrument :
 MSVOA_D
 ClientSampled :

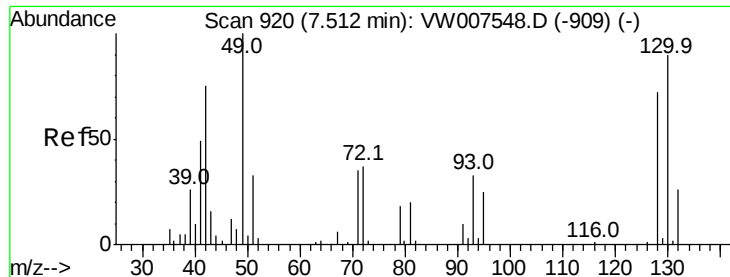
Tot Ion: 77 Resp: 33314
 Ion Ratio Lower Upper
 77 100
 97 23.1 11.6 34.8



#27
 cis-1,2-Dichloroethene
 Concen: 55.937 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW007690.D
 Acq: 19 Dec 2018 07:08

Tgt Ion: 96 Resp: 33891
 Ion Ratio Lower Upper
 96 100
 61 135.2 0.0 268.4
 98 65.1 0.0 127.8





#28

Bromochloromethane

Concen: 54.889 ug/l

RT: 7.51 min Scan# 919

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :
MSVOA_D
ClientSampleId :

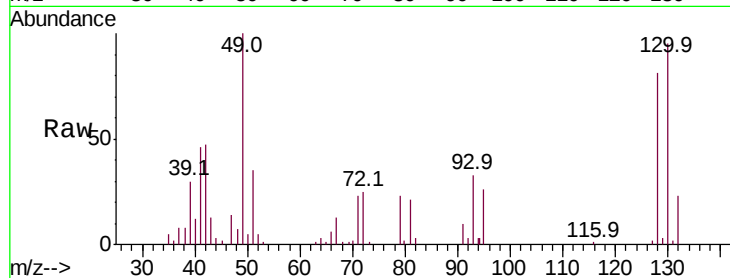
Tot Ion: 49 Resp: 19556

Ion Ratio Lower Upper

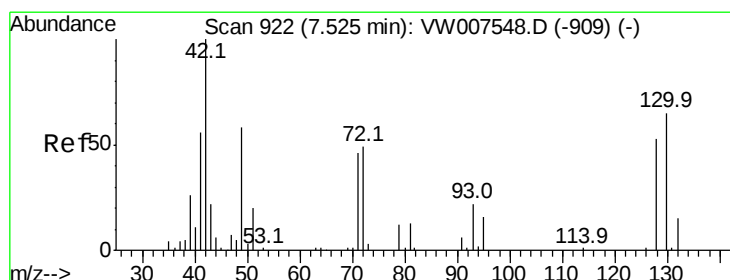
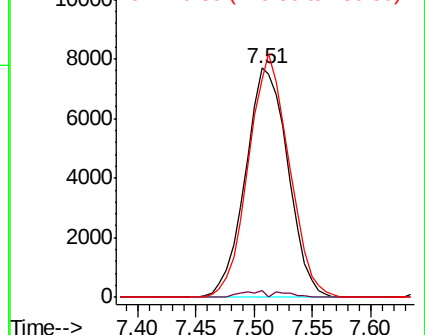
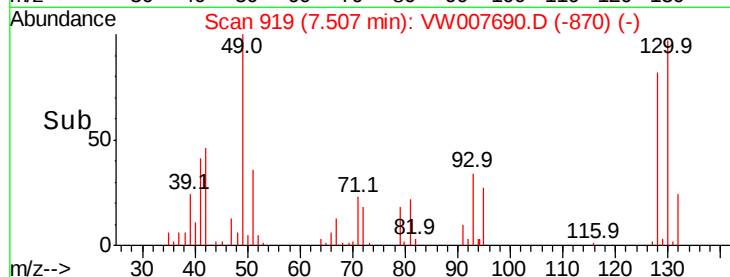
49 100

129 1.5 0.0 2.6

130 0.0 75.9 113.9#



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 300.594 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

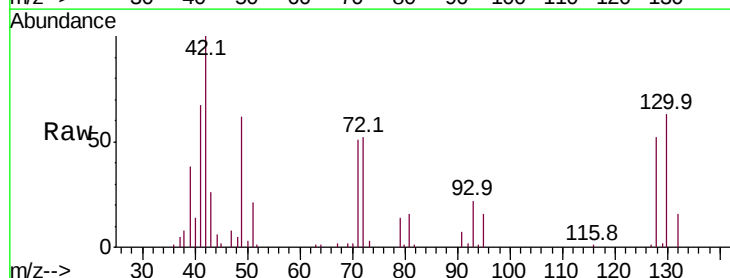
Tgt Ion: 42 Resp: 24275

Ion Ratio Lower Upper

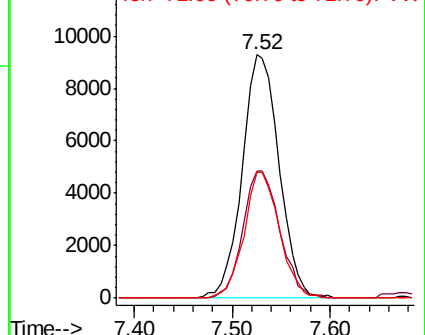
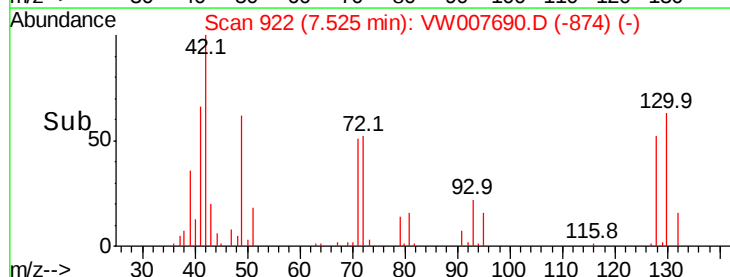
42 100

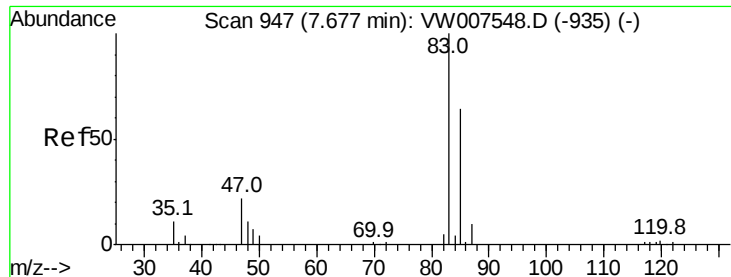
72 52.2 38.2 57.4

71 49.5 35.5 53.3



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

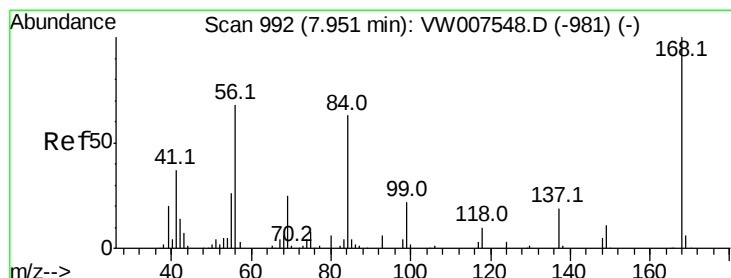
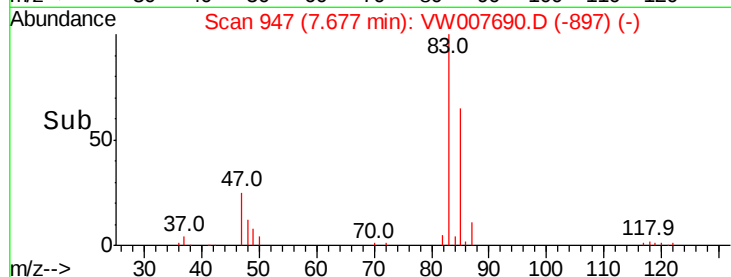
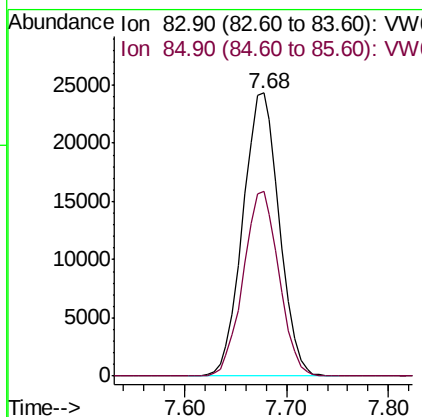
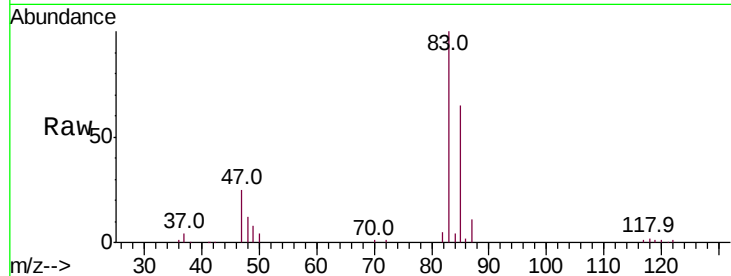




#30
Chloroform
Concen: 58.457 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

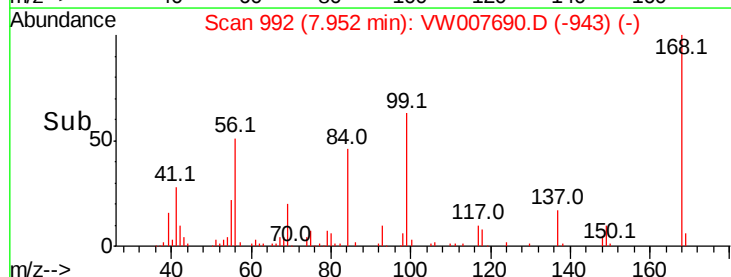
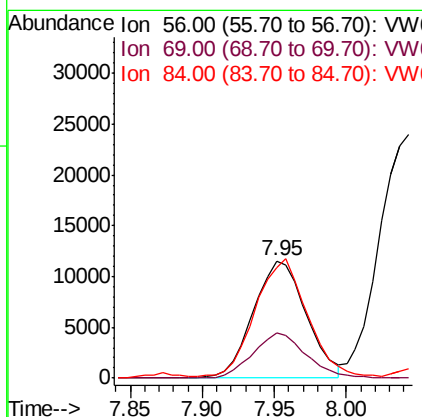
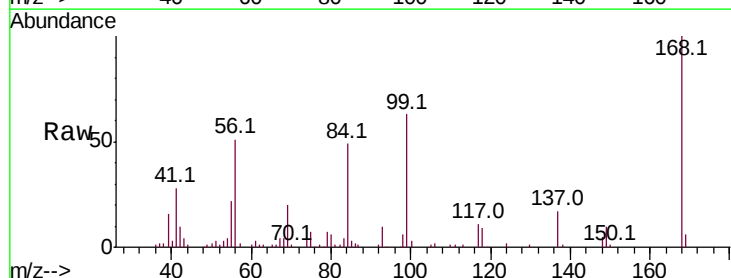
Instrument :
MSVOA_D
ClientSampled :

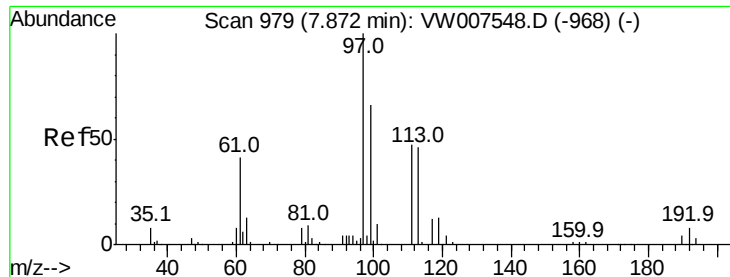
Tot Ion: 83 Resp: 60256
Ion Ratio Lower Upper
83 100
85 65.3 51.8 77.8



#31
Cyclohexane
Concen: 33.868 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

Tgt Ion: 56 Resp: 29433
Ion Ratio Lower Upper
56 100
69 38.9 28.9 43.3
84 92.8 71.8 107.6





#32

1,1,1-Trichloroethane

Concen: 56.347 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

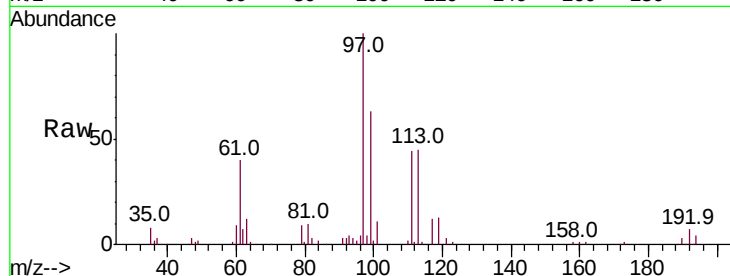
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 50933

Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.1	76.7
61	40.5	33.2	49.8

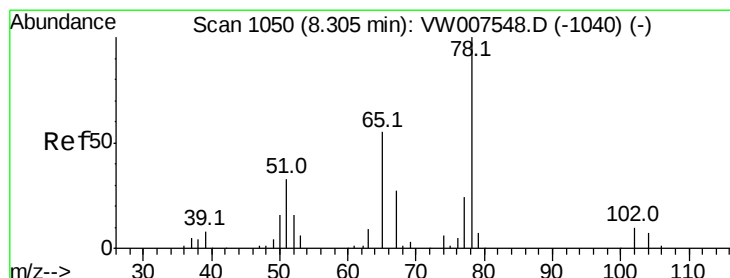
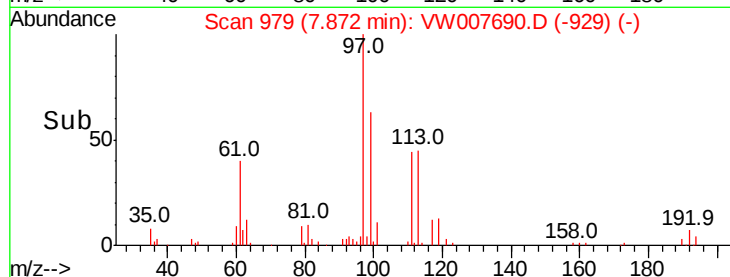
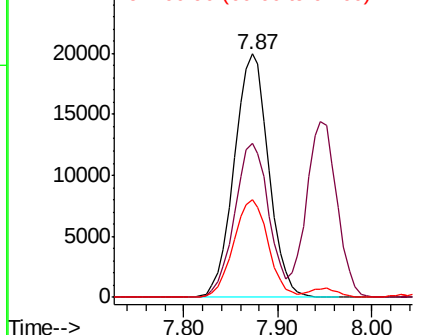


Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW



#33

1,2-Dichloroethane-d4

Concen: 56.645 ug/l

RT: 8.31 min Scan# 1050

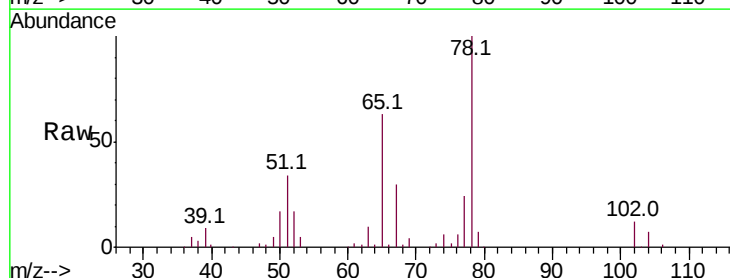
Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Tgt Ion: 65 Resp: 31688

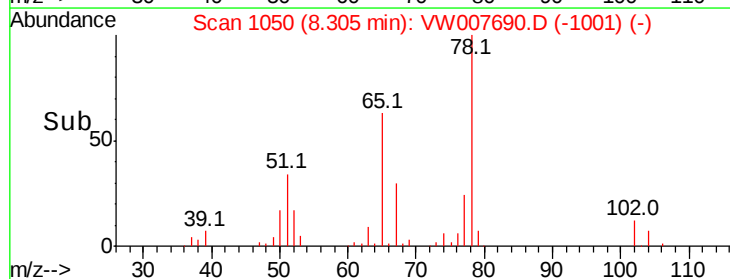
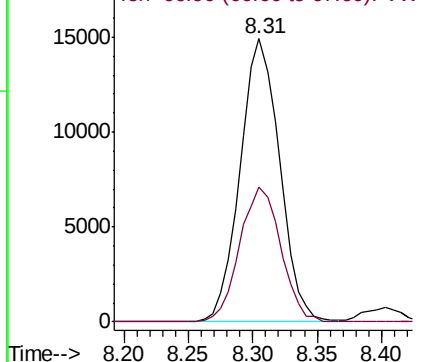
Ion	Ratio	Lower	Upper
65	100		
67	49.3	0.0	101.6

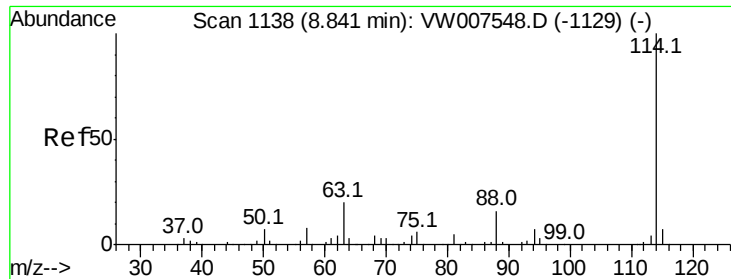


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

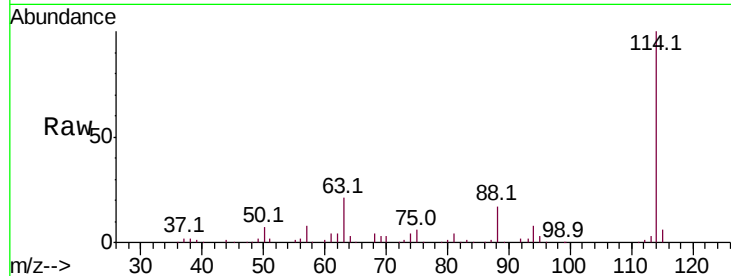




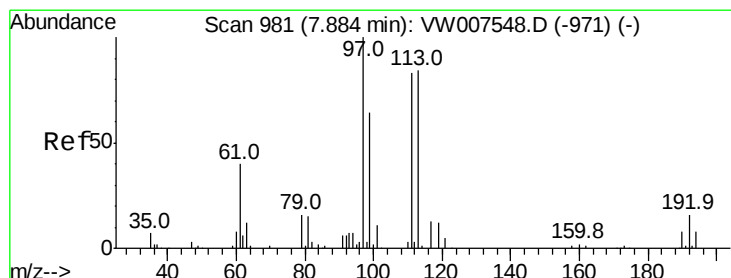
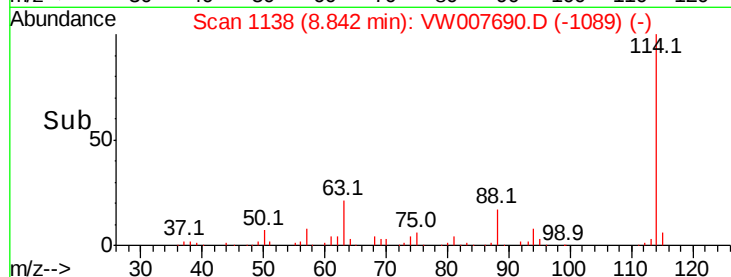
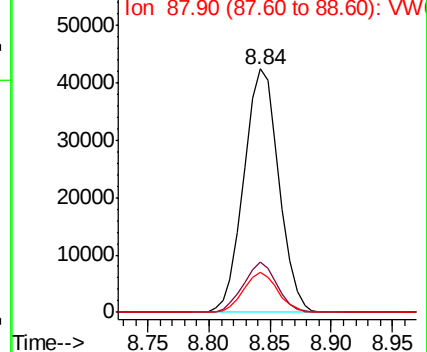
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007690.D
 Acq: 19 Dec 2018 07:08

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	39.6
88	16.6	0.0	31.4

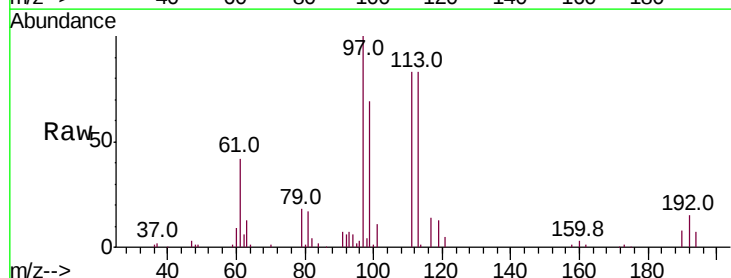


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

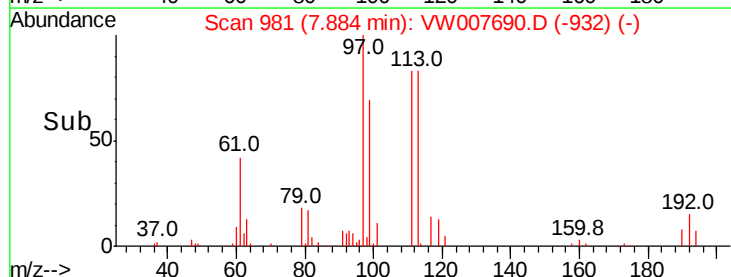
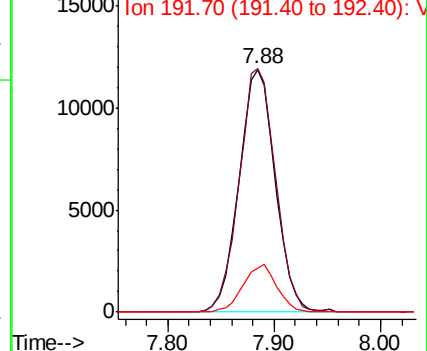


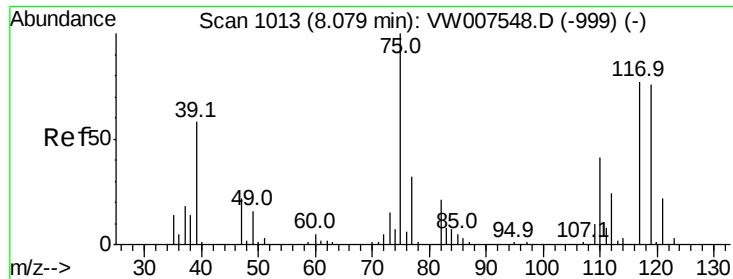
#35
 Dibromofluoromethane
 Concen: 55.419 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007690.D
 Acq: 19 Dec 2018 07:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.1	121.7
192	18.4	14.6	21.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

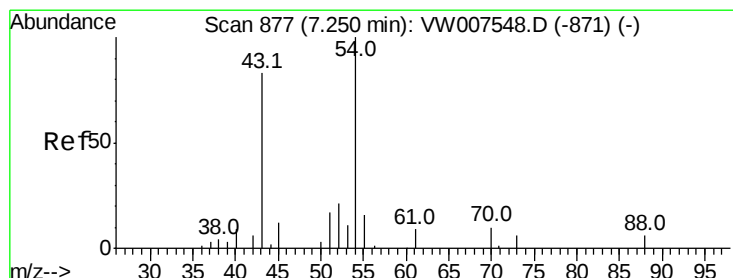
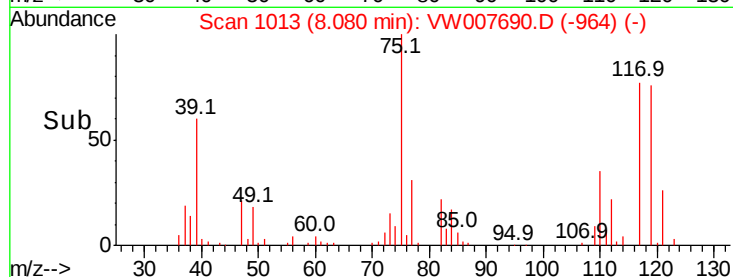
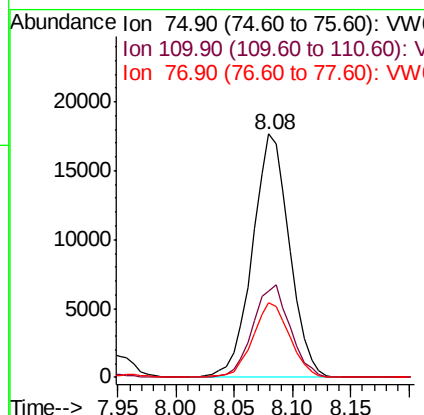
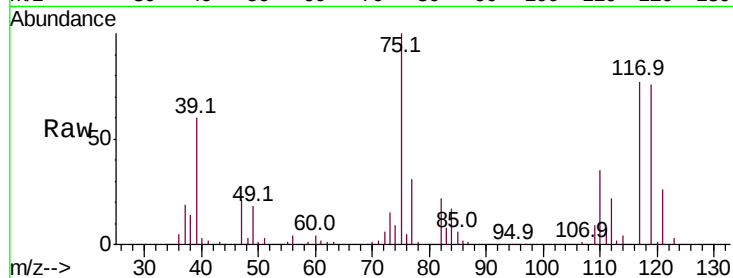




#36
 1,1-Dichloropropene
 Concen: 50.794 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW007690.D
 Acq: 19 Dec 2018 07:08

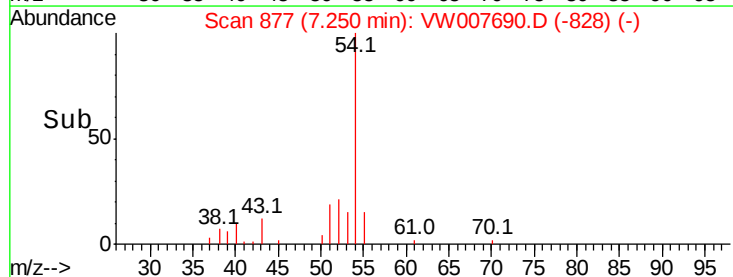
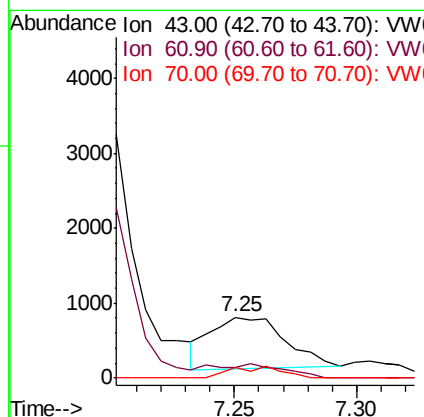
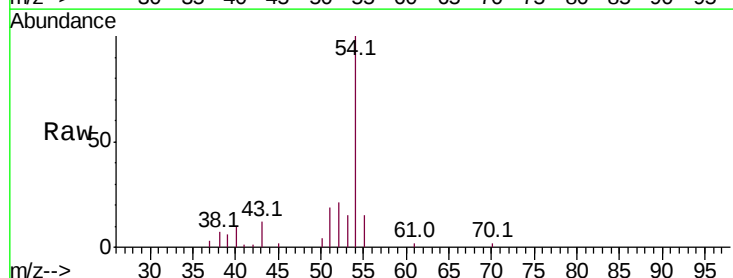
Instrument :
 MSVOA_D
 ClientSampleID :

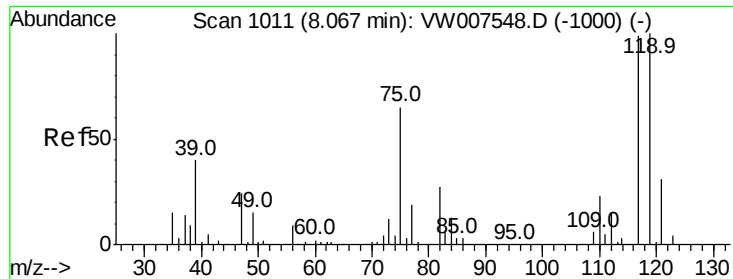
Tot Ion	Ratio	Lower	Upper
75	100		
110	38.0	18.5	55.5
77	30.6	25.6	38.4



#37
 Ethyl Acetate
 Concen: 5.031 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: VW007690.D
 Acq: 19 Dec 2018 07:08

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.1	18.1#
70	7.8	10.0	15.0#





#38

Carbon Tetrachloride

Concen: 54.540 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

ClientSampleId :

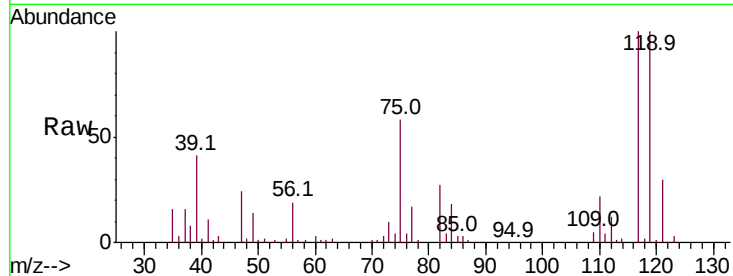
Tot Ion:117 Resp: 45668

Ion Ratio Lower Upper

117 100

119 100.1 74.3 111.5

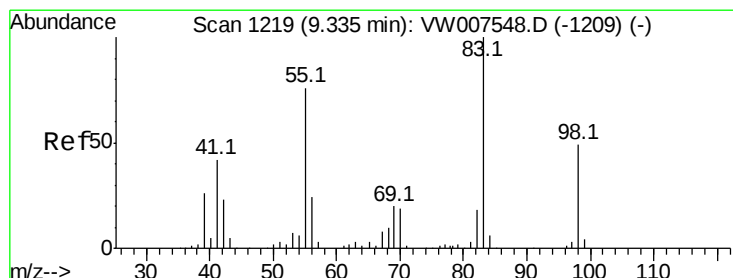
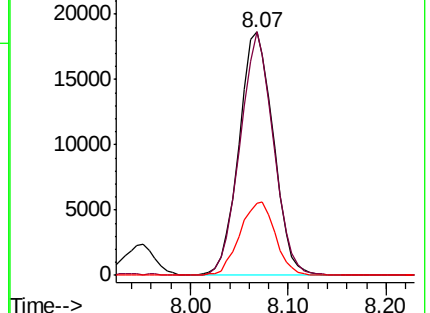
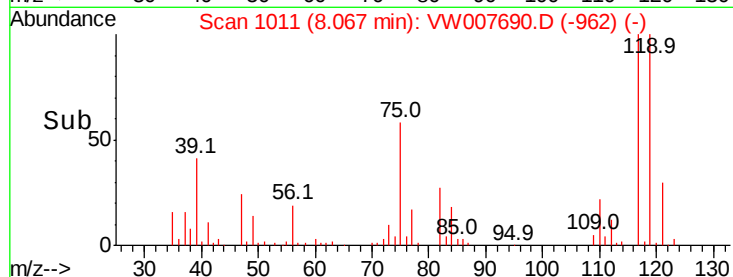
121 29.7 24.3 36.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 26.921 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

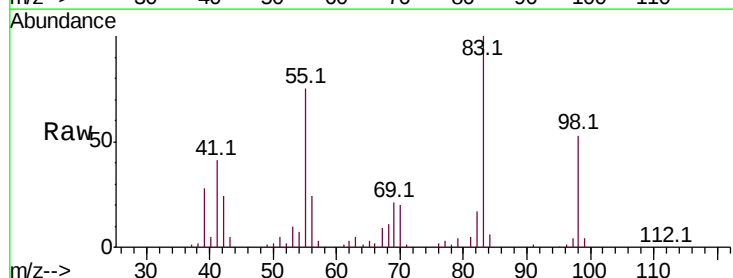
Tgt Ion: 83 Resp: 25086

Ion Ratio Lower Upper

83 100

55 75.4 62.8 94.2

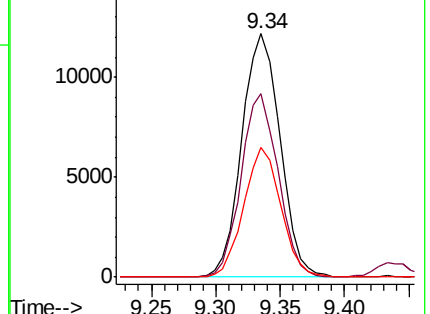
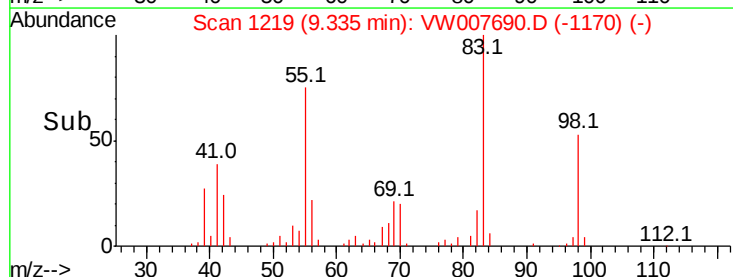
98 53.4 42.2 63.2

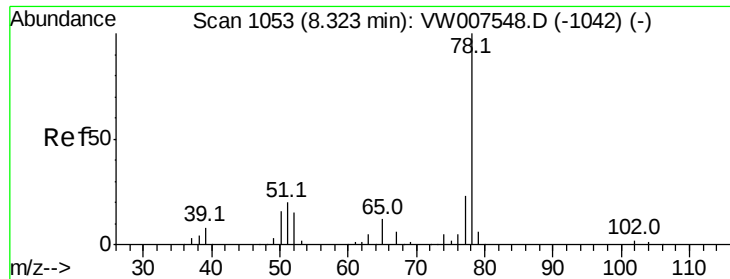


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 55.071 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

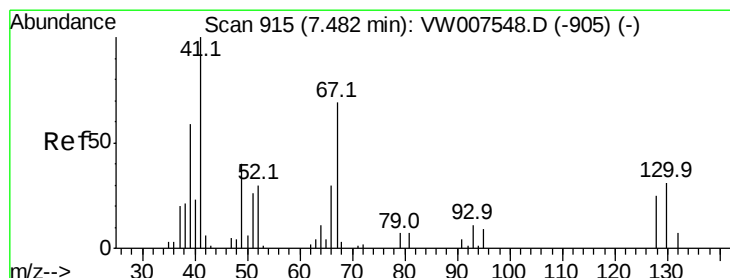
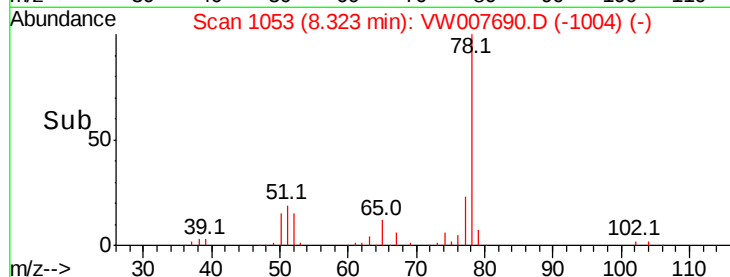
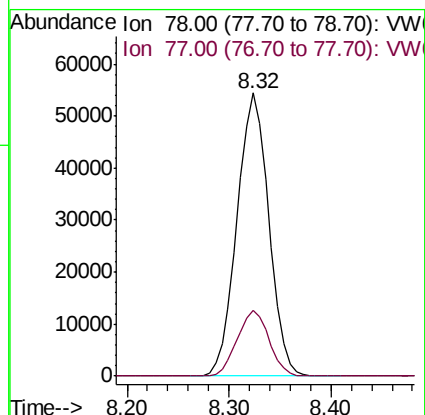
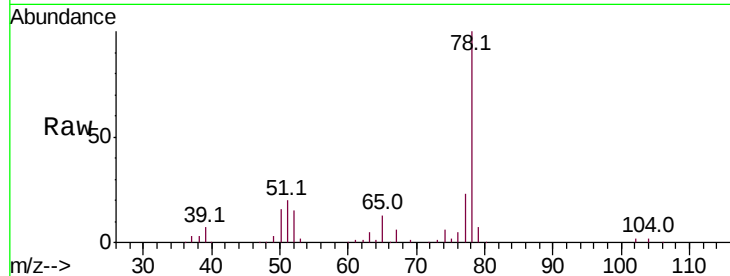
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 78 Resp: 117610

Ion Ratio Lower Upper

78 100

77 23.2 18.8 28.2



#41

Methacrylonitrile

Concen: 47.561 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Tgt Ion: 41 Resp: 7752

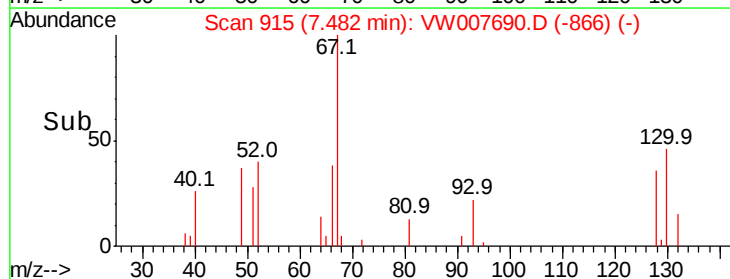
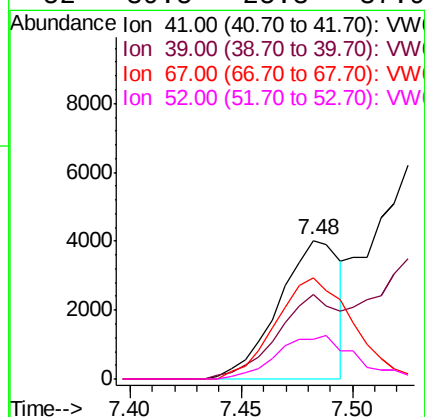
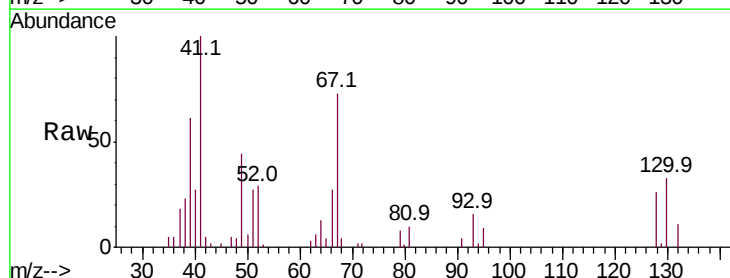
Ion Ratio Lower Upper

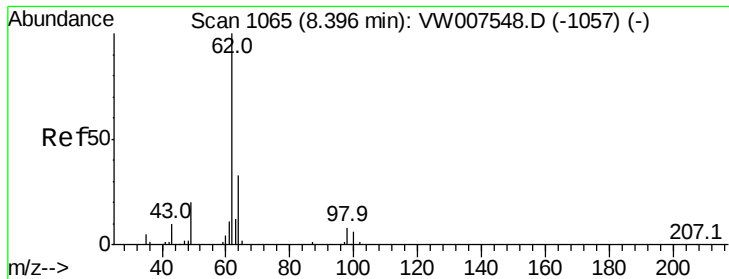
41 100

39 60.0 52.2 78.2

67 91.7 60.5 90.7#

52 39.5 25.3 37.9#





#42

1,2-Dichloroethane

Concen: 66.124 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

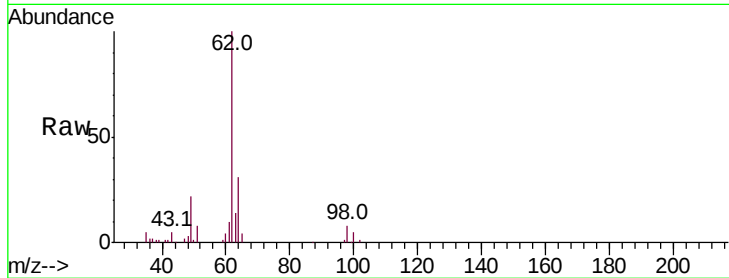
ClientSampleId :

Tot Ion: 62 Resp: 44360

Ion Ratio Lower Upper

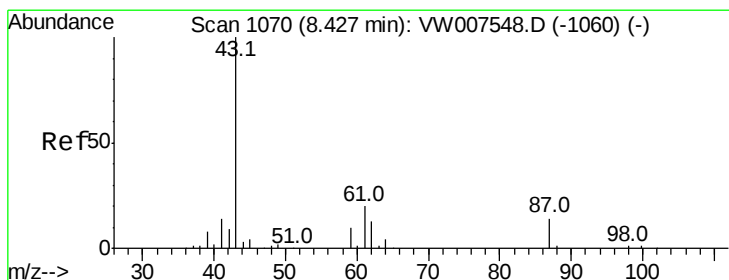
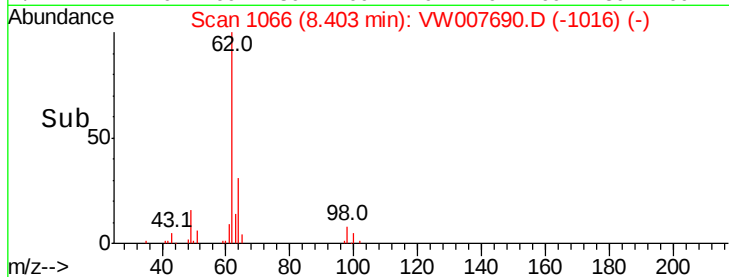
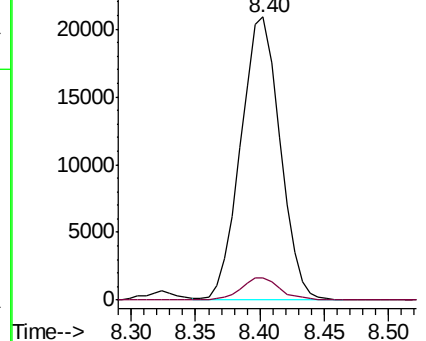
62 100

98 7.7 0.0 17.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



#43

Isopropyl Acetate

Concen: 14.870 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

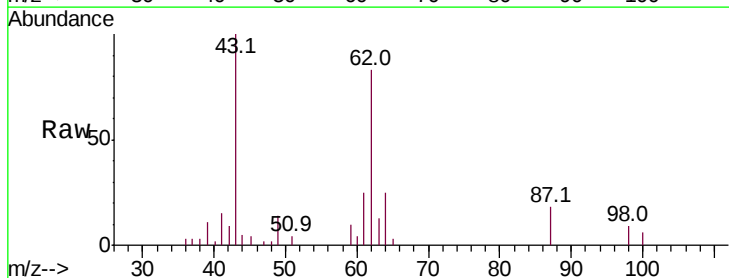
Tgt Ion: 43 Resp: 8407

Ion Ratio Lower Upper

43 100

61 68.8 25.3 37.9#

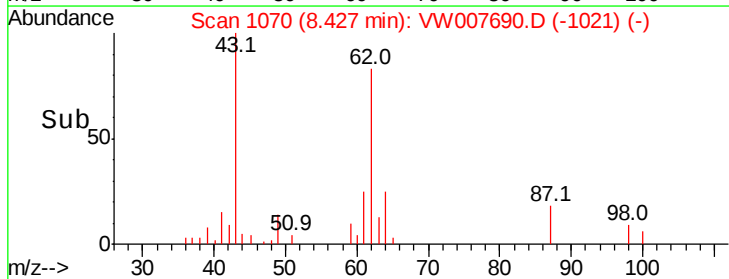
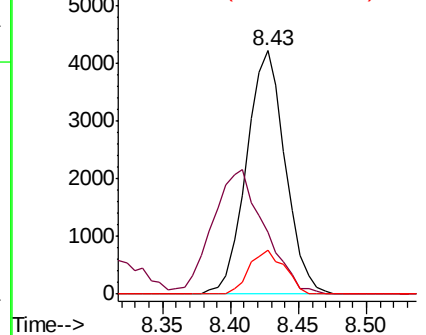
87 16.3 11.8 17.8

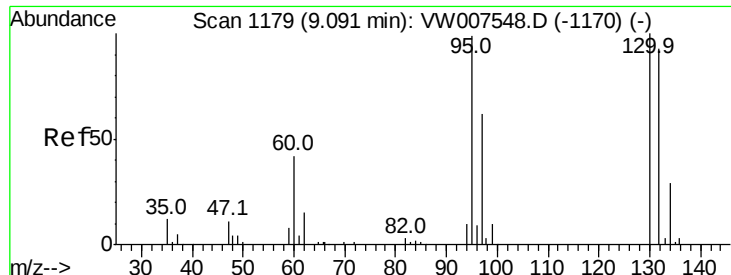


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW





#44

Trichloroethene

Concen: 52.171 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

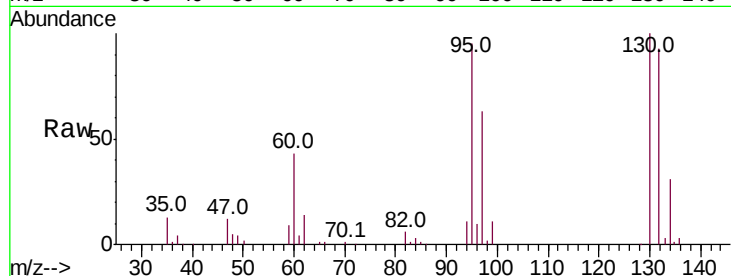
ClientSampled :

Tot Ion:130 Resp: 31816

Ion Ratio Lower Upper

130 100

95 95.3 0.0 193.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

9.09

15000

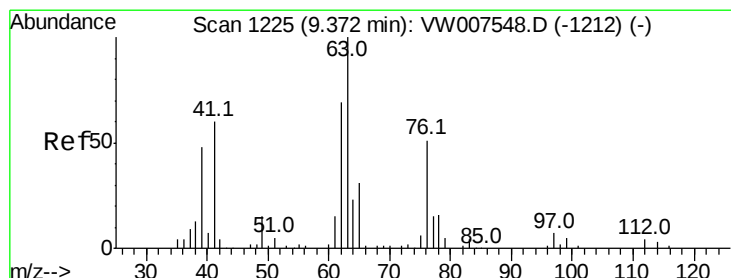
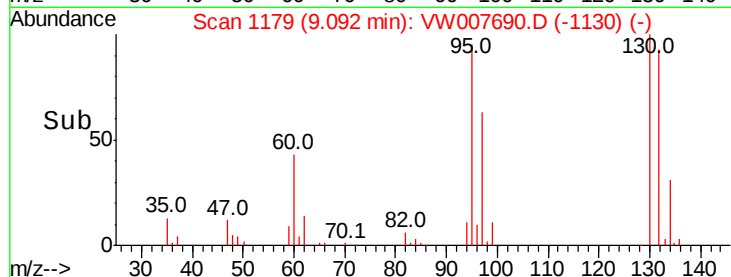
10000

5000

0

Time-->

9.00 9.05 9.10 9.15



#45

1,2-Dichloropropane

Concen: 57.450 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW007690.D

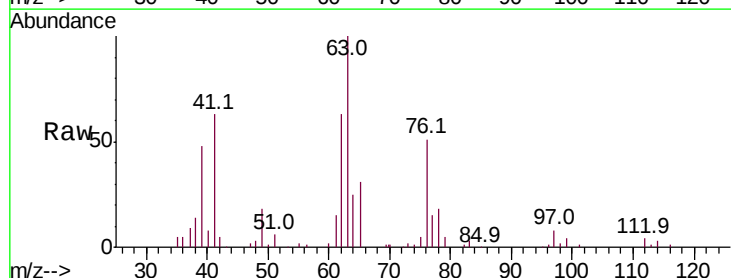
Acq: 19 Dec 2018 07:08

Tgt Ion: 63 Resp: 28392

Ion Ratio Lower Upper

63 100

65 31.0 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

15000

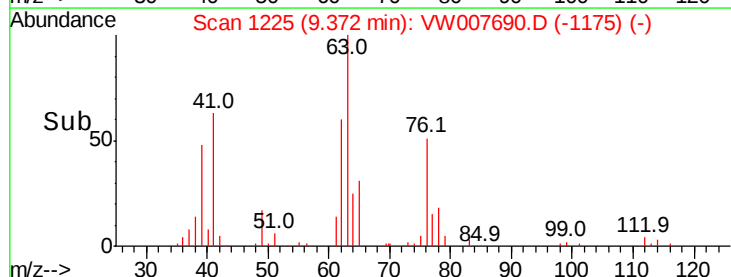
10000

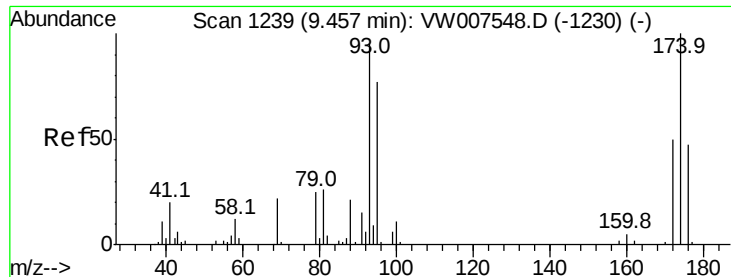
5000

0

Time-->

9.25 9.30 9.35 9.40 9.45





#46

Dibromomethane

Concen: 63.548 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

ClientSampleId :

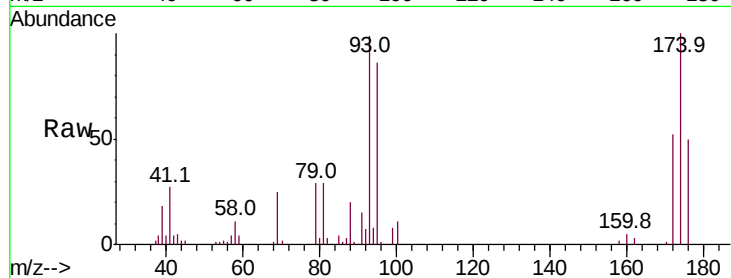
Tot Ion: 93 Resp: 17835

Ion Ratio Lower Upper

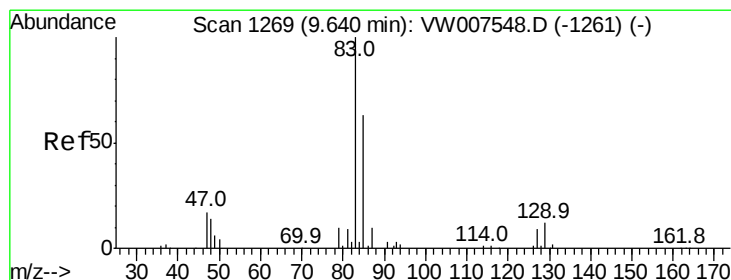
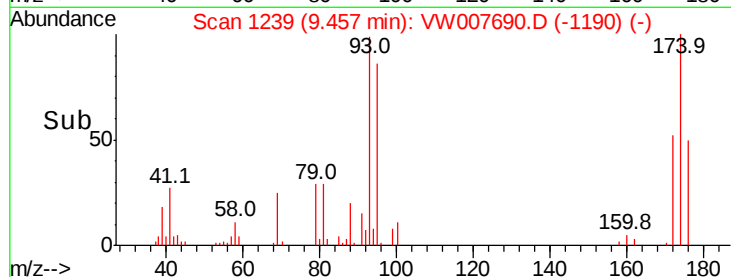
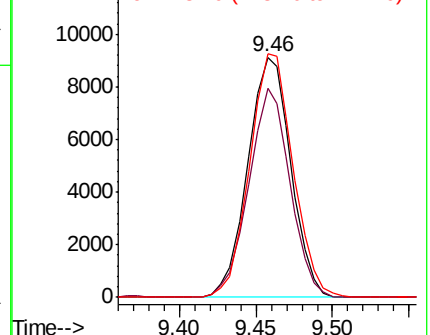
93 100

95 83.3 68.0 102.0

174 102.1 83.2 124.8



Abundance Ion 92.80 (92.50 to 93.50): VW
Ion 94.80 (94.50 to 95.50): VW
Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 60.299 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

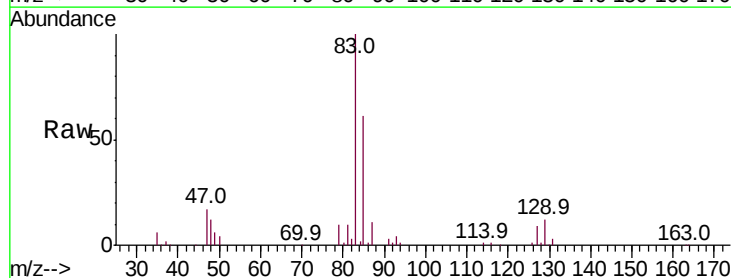
Tgt Ion: 83 Resp: 44390

Ion Ratio Lower Upper

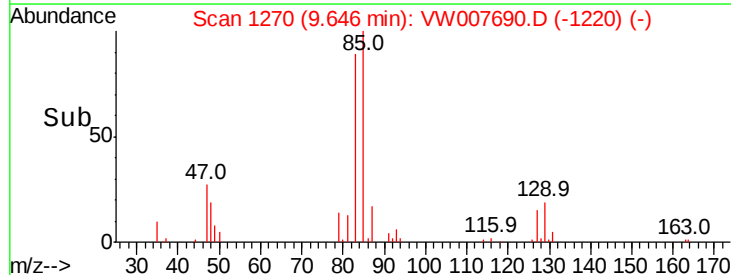
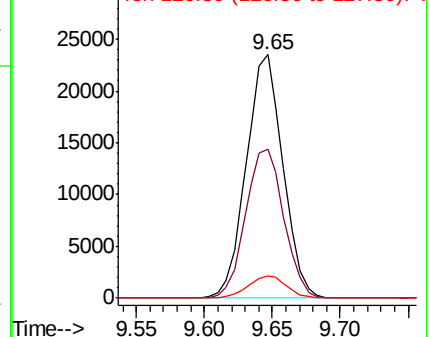
83 100

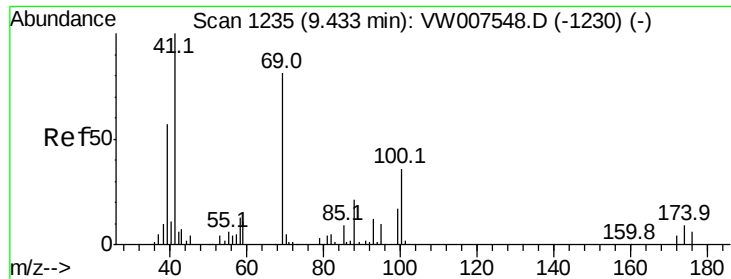
85 61.1 47.6 71.4

127 9.0 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V

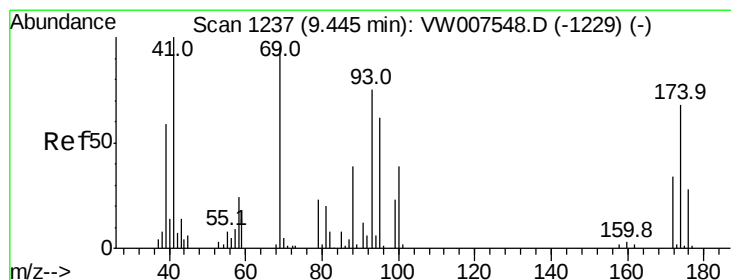
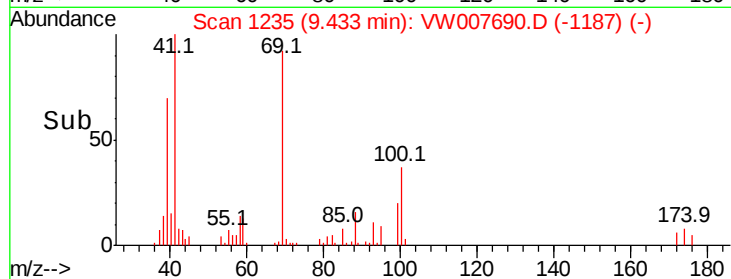
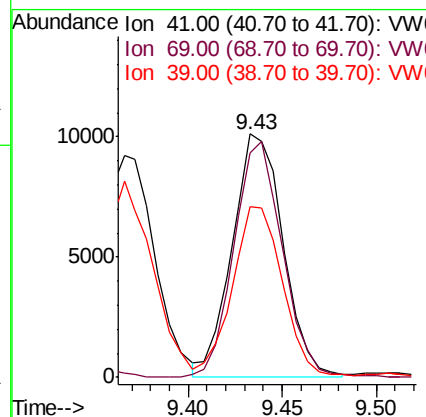
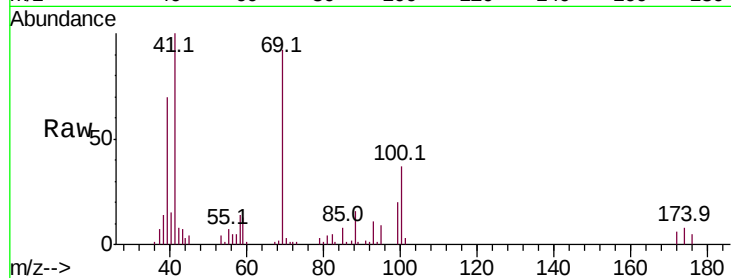




#48
Methvl methacrylate
Concen: 65.228 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

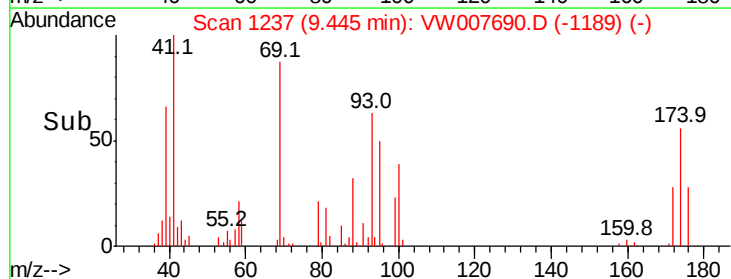
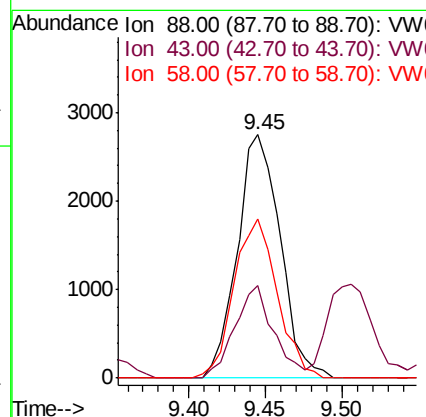
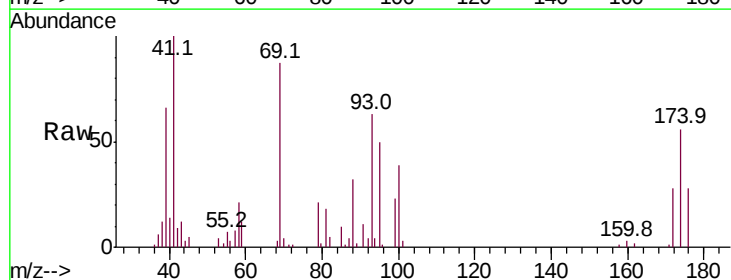
Instrument :
MSVOA_D
ClientSampled :

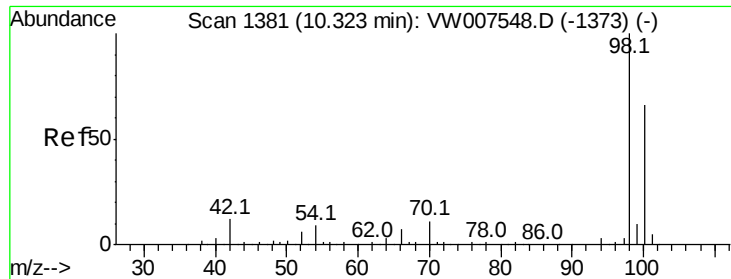
Tot Ion: 41 Resp: 18940
Ion Ratio Lower Upper
41 100
69 92.6 69.8 104.8
39 67.7 50.9 76.3



#49
1,4-Dioxane
Concen: 1180.558 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

Tgt Ion: 88 Resp: 5376
Ion Ratio Lower Upper
88 100
43 34.1 25.0 37.4
58 65.7 51.4 77.2





#50

Toluene-d8

Concen: 46.930 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

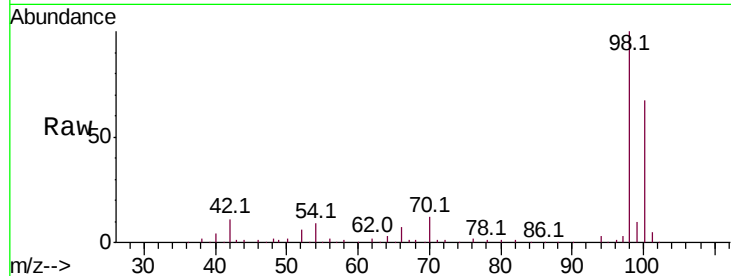
ClientSampleId :

Tot Ion: 98 Resp: 89855

Ion Ratio Lower Upper

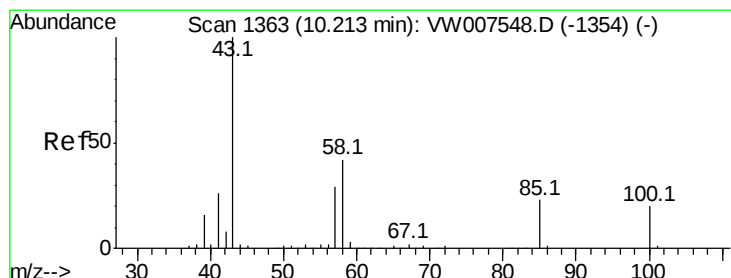
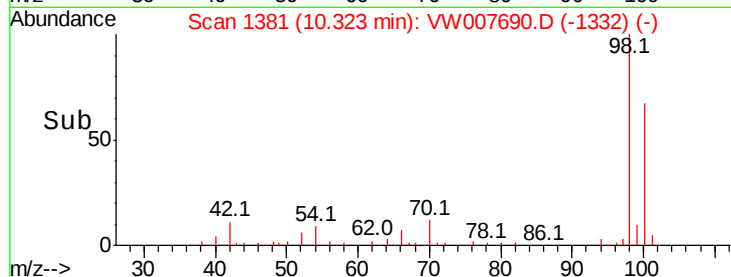
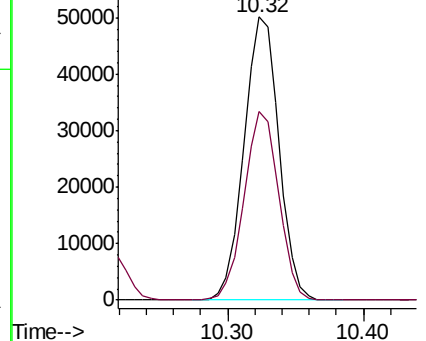
98 100

100 66.3 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 303.786 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007690.D

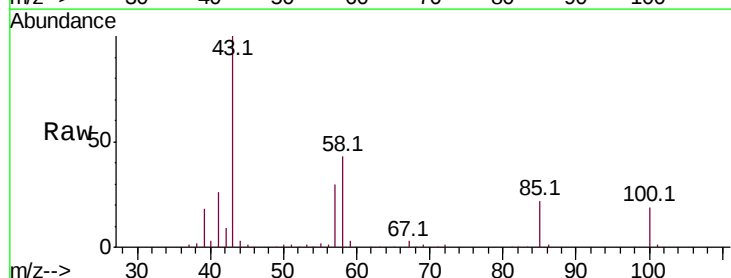
Acq: 19 Dec 2018 07:08

Tgt Ion: 43 Resp: 81153

Ion Ratio Lower Upper

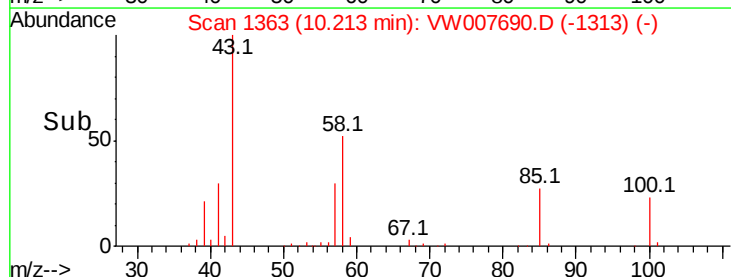
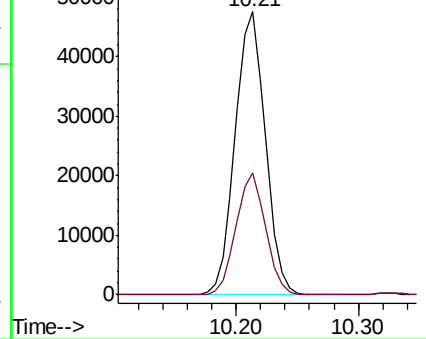
43 100

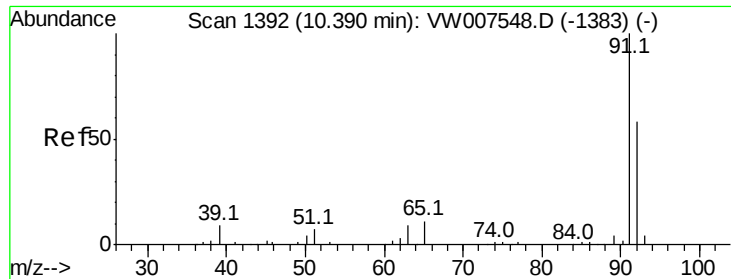
58 42.1 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 52.177 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

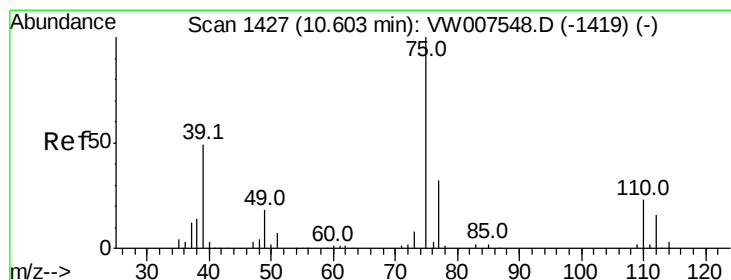
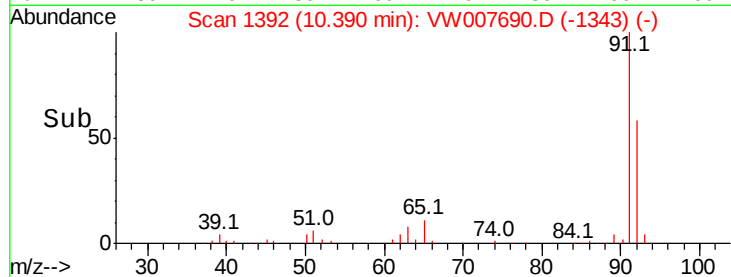
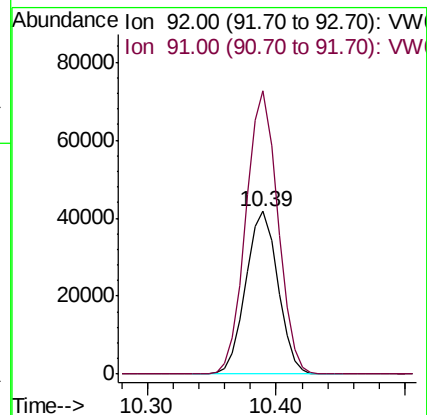
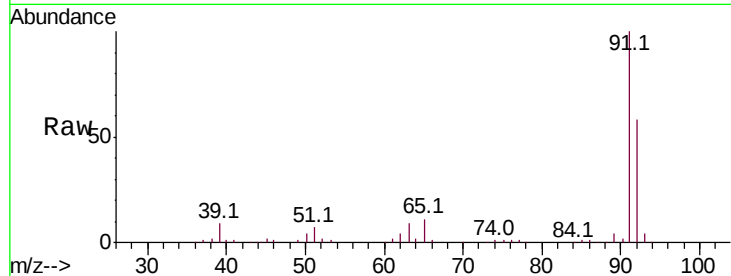
ClientSampleId :

Tot Ion: 92 Resp: 72112

Ion Ratio Lower Upper

92 100

91 171.8 136.2 204.2



#53

t-1,3-Dichloropropene

Concen: 55.332 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW007690.D

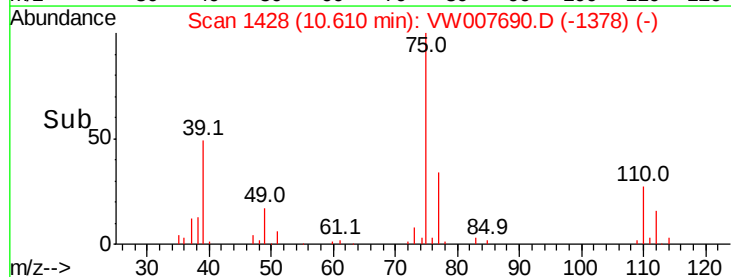
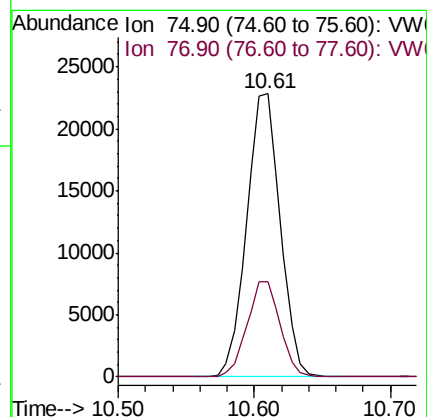
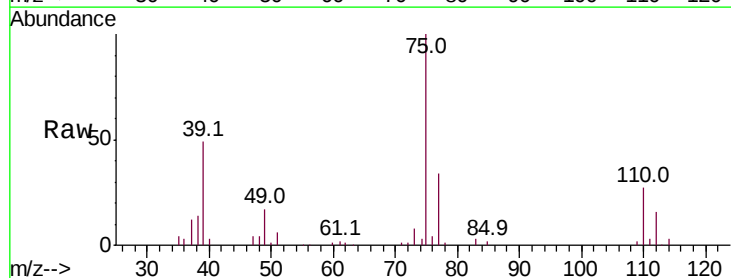
Acq: 19 Dec 2018 07:08

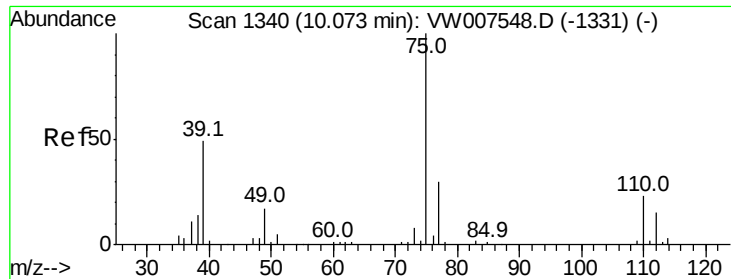
Tgt Ion: 75 Resp: 39545

Ion Ratio Lower Upper

75 100

77 33.8 26.2 39.4





#54

cis-1,3-Dichloropropene

Concen: 53.077 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

ClientSampleId :

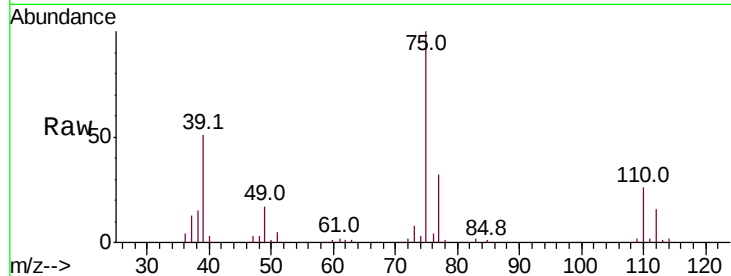
Tot Ion: 75 Resp: 43851

Ion Ratio Lower Upper

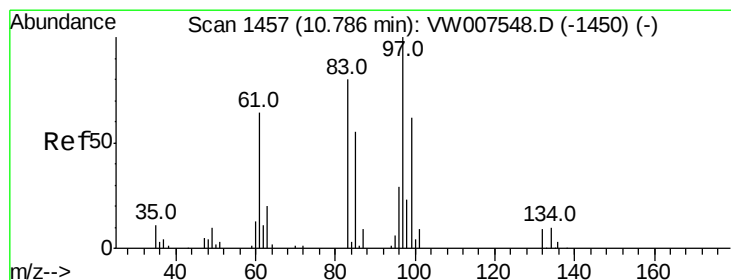
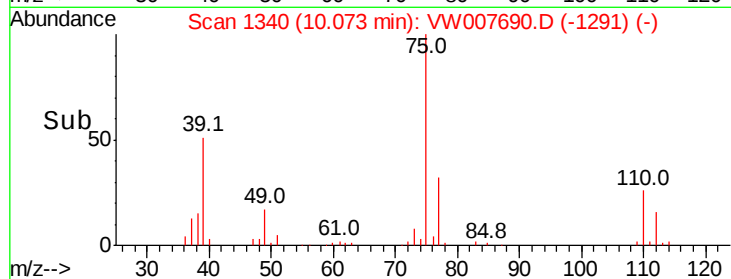
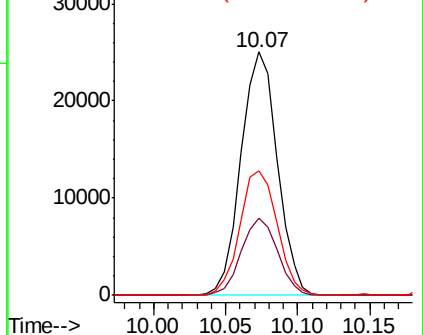
75 100

77 31.7 24.8 37.2

39 51.0 40.9 61.3



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 76.90 (76.60 to 77.60): VW
Ion 39.00 (38.70 to 39.70): VW



#55

1,1,2-Trichloroethane

Concen: 62.610 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Tgt Ion: 97 Resp: 23915

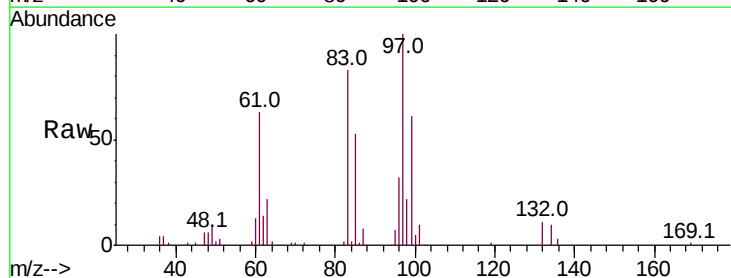
Ion Ratio Lower Upper

97 100

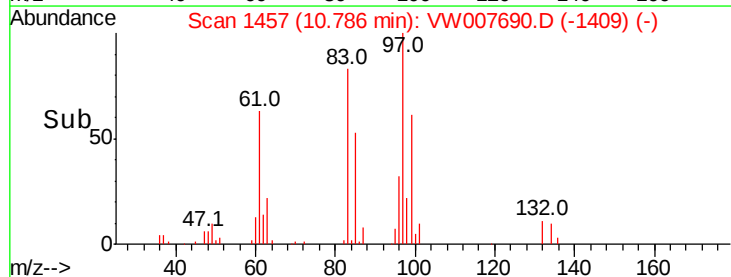
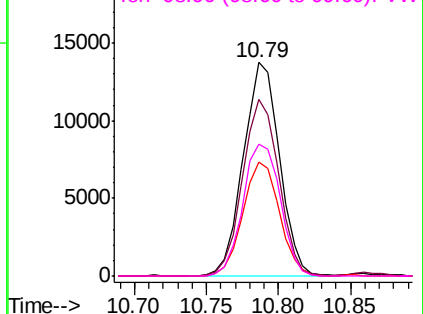
83 82.6 62.1 93.1

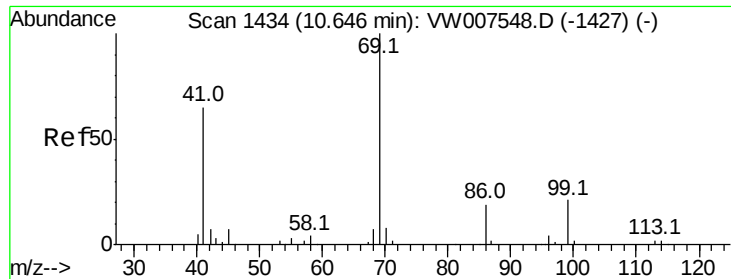
85 53.3 44.2 66.4

99 61.4 50.2 75.4



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 98.90 (98.60 to 99.60): VW





#56

Ethyl methacrylate

Concen: 8.608 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

ClientSampleId :

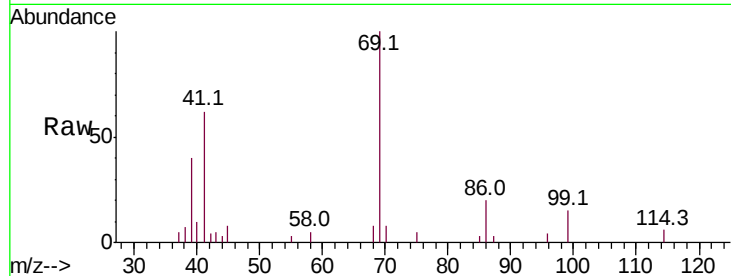
Tot Ion: 69 Resp: 3952

Ion Ratio Lower Upper

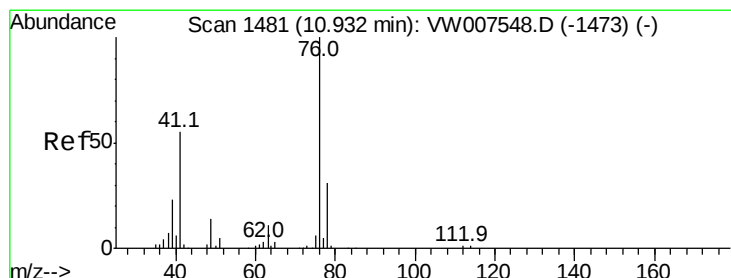
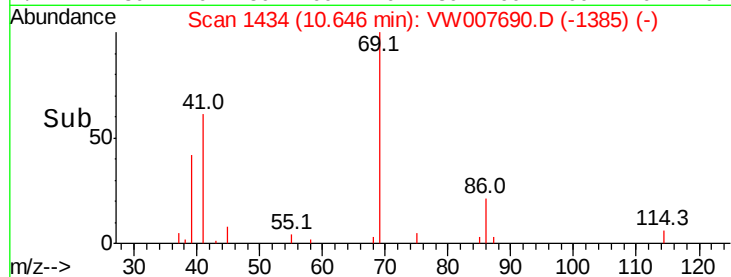
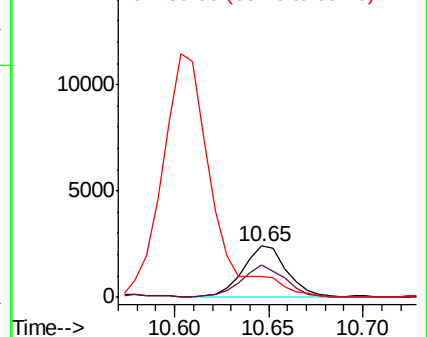
69 100

41 61.9 51.0 76.6

39 0.0 30.8 46.2#



Abundance Ion 69.00 (68.70 to 69.70): VW
Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW



#57

1,3-Dichloropropane

Concen: 62.205 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW007690.D

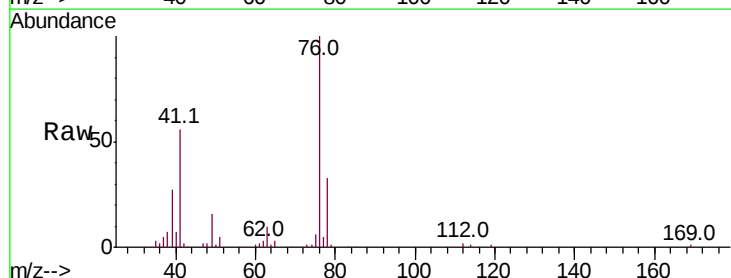
Acq: 19 Dec 2018 07:08

Tgt Ion: 76 Resp: 38999

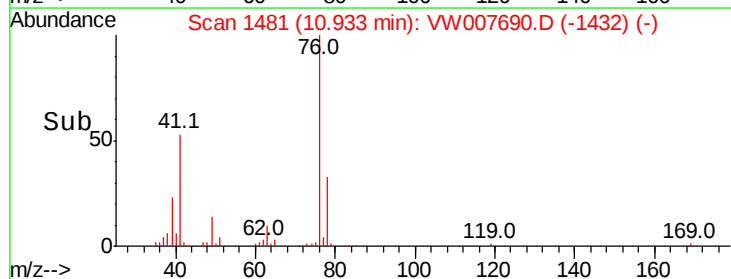
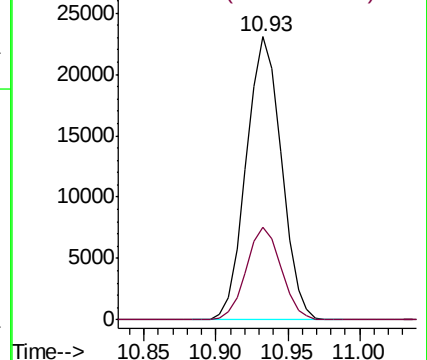
Ion Ratio Lower Upper

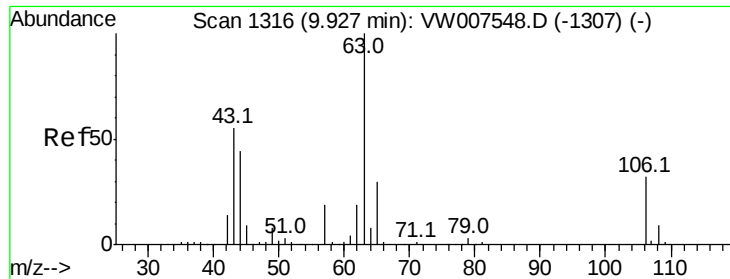
76 100

78 32.5 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VW
Ion 77.90 (77.60 to 78.60): VW

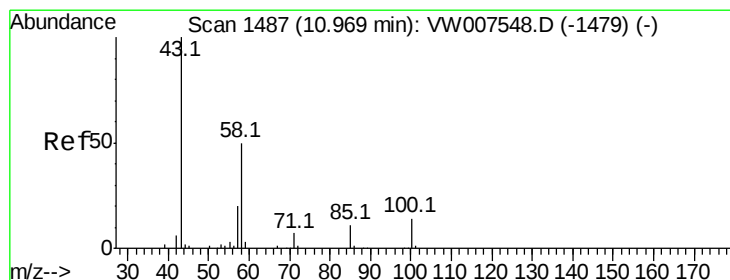
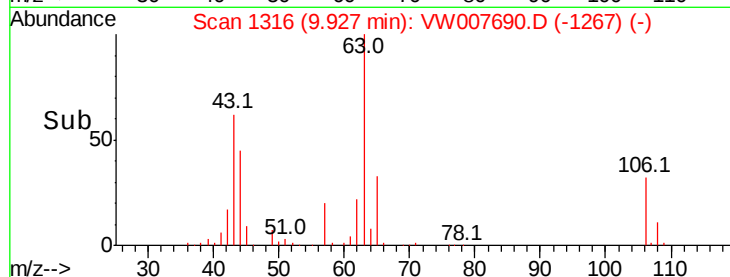
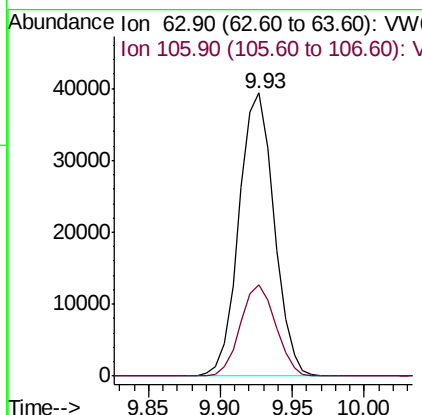
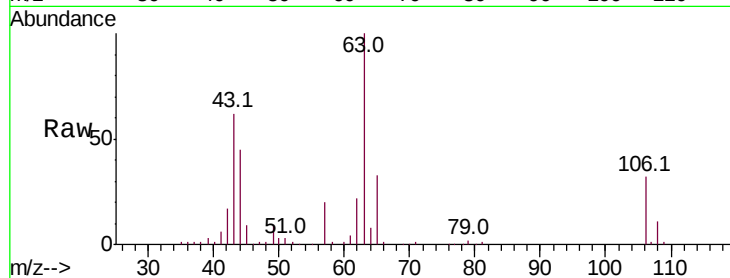




#58
2-Chloroethyl Vinyl ether
Concen: 314.909 ug/l
RT: 9.93 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

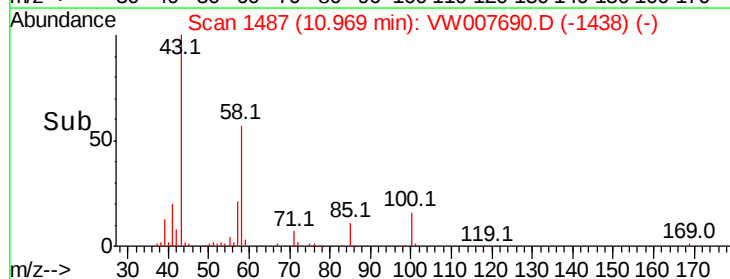
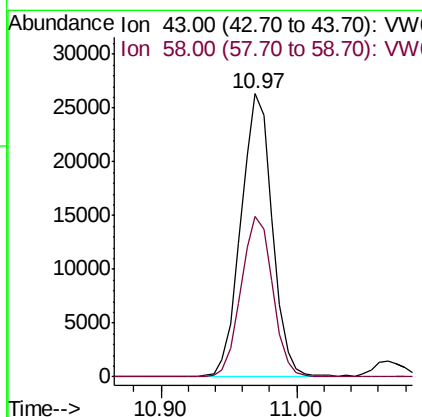
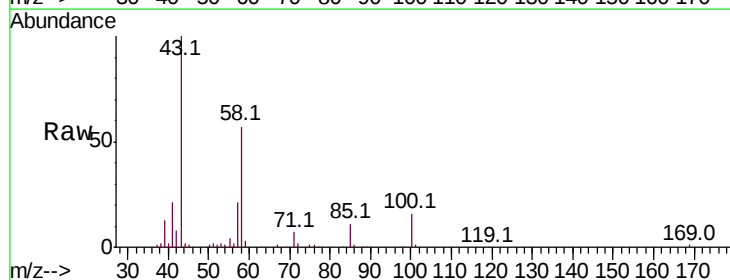
Instrument :
MSVOA_D
ClientSampleId :

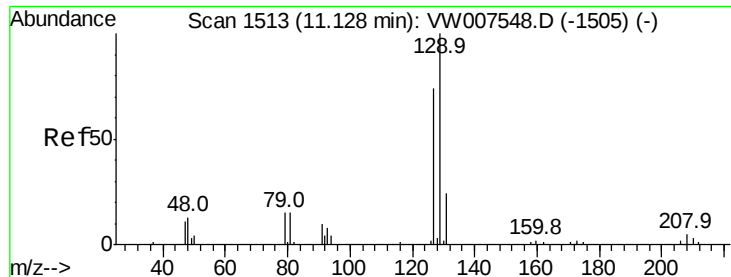
Tot Ion: 63 Resp: 66672
Ion Ratio Lower Upper
63 100
106 32.5 25.0 37.6



#59
2-Hexanone
Concen: 238.811 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

Tgt Ion: 43 Resp: 42539
Ion Ratio Lower Upper
43 100
58 57.0 27.1 81.3





#60

Dibromochloromethane

Concen: 61.480 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

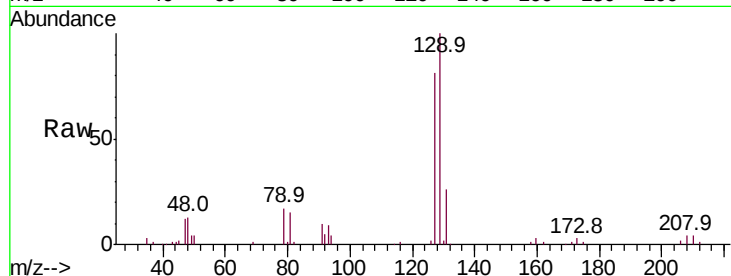
ClientSampleId :

Tot Ion:129 Resp: 29636

Ion Ratio Lower Upper

129 100

127 77.4 38.1 114.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.13

15000

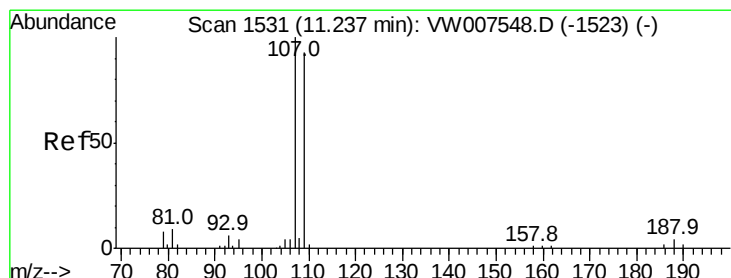
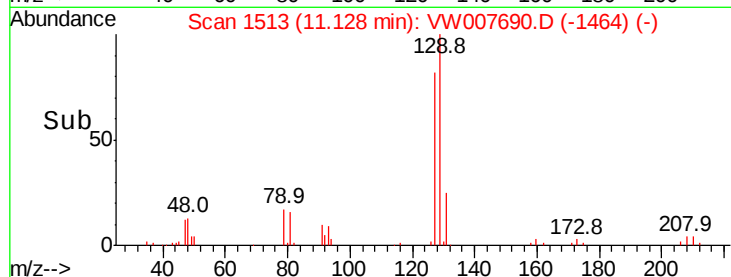
10000

5000

0

Time-->

11.05 11.10 11.15 11.20



#61

1,2-Dibromoethane

Concen: 61.424 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW007690.D

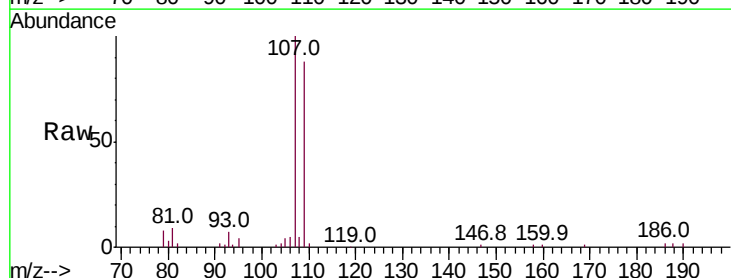
Acq: 19 Dec 2018 07:08

Tgt Ion:107 Resp: 23186

Ion Ratio Lower Upper

107 100

109 95.2 79.1 118.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

15000

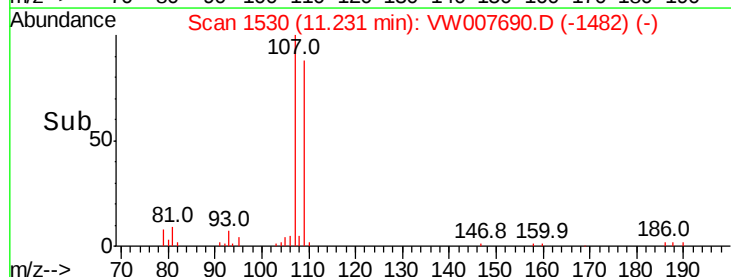
10000

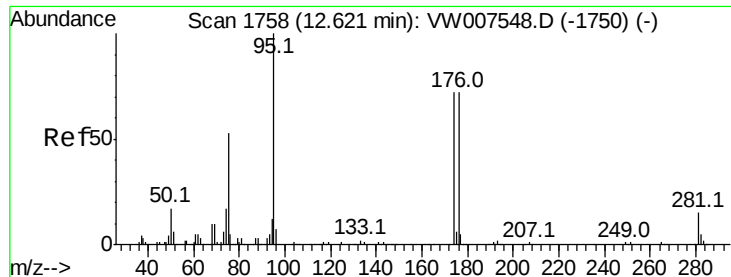
5000

0

Time-->

11.15 11.20 11.25 11.30

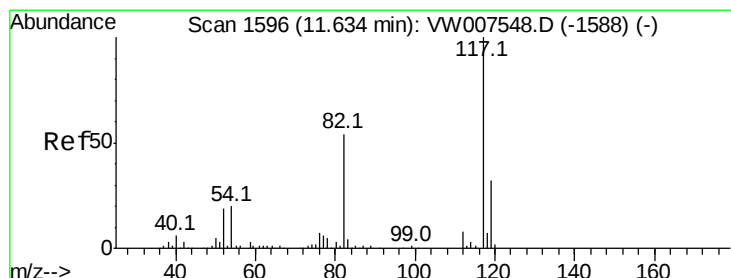
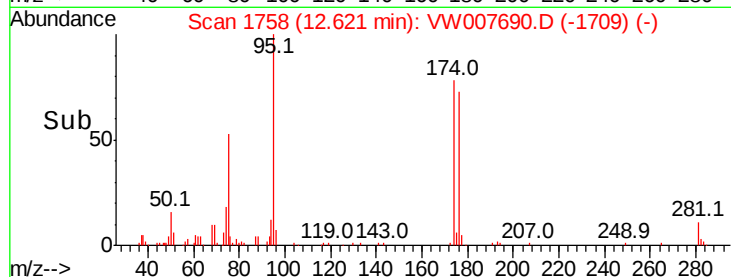
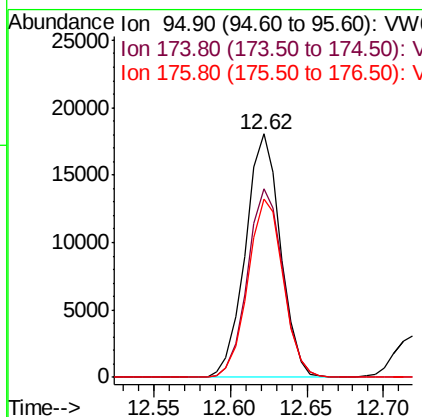
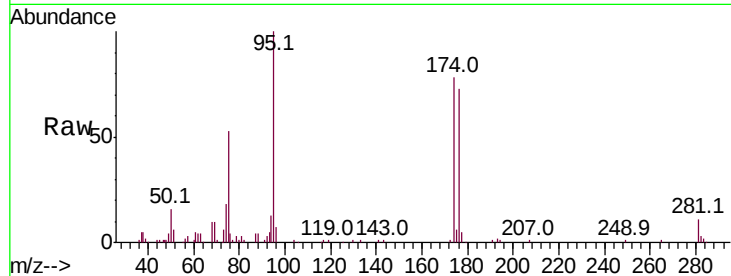




#62
4-Bromofluorobenzene
Concen: 40.696 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

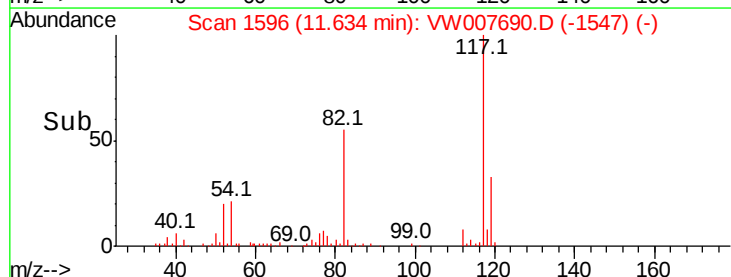
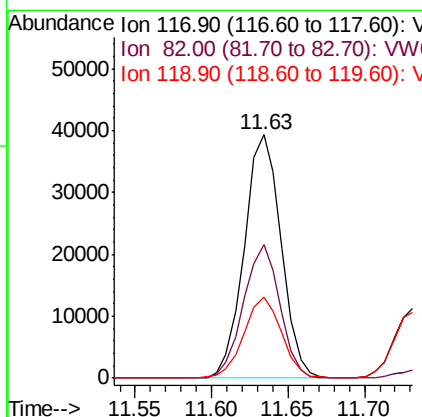
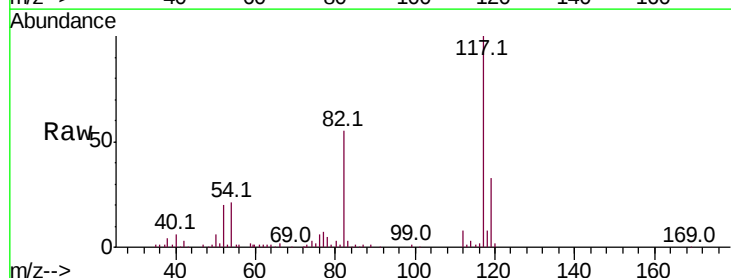
Instrument :
MSVOA_D
ClientSampleId :

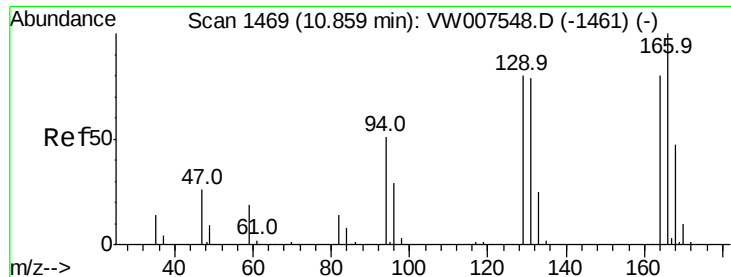
Tot Ion: 95 Resp: 28649
Ion Ratio Lower Upper
95 100
174 78.4 0.0 147.2
176 74.1 0.0 138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

Tgt Ion: 117 Resp: 65743
Ion Ratio Lower Upper
117 100
82 54.7 42.3 63.5
119 32.9 23.0 34.6

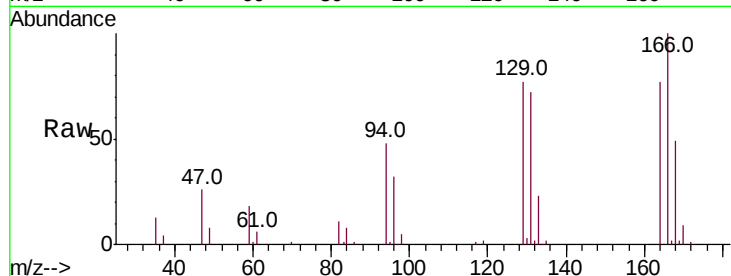




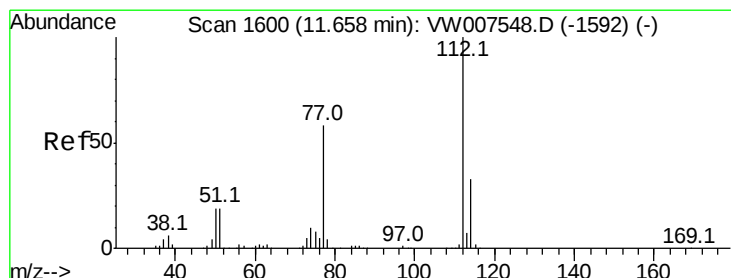
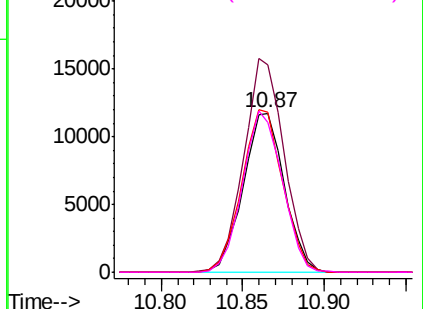
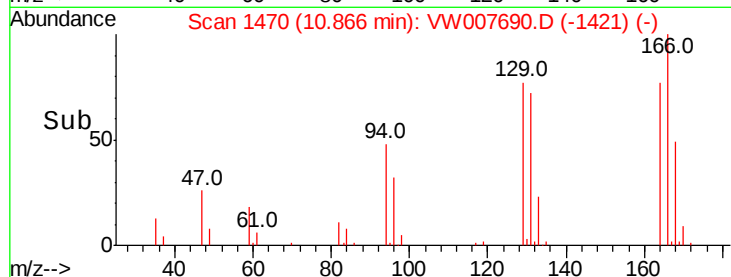
#64
Tetrachloroethene
Concen: 43.547 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:164 Resp: 20588
Ion Ratio Lower Upper
164 100
166 130.1 107.9 161.9
129 100.5 73.4 110.2
131 94.0 75.8 113.6

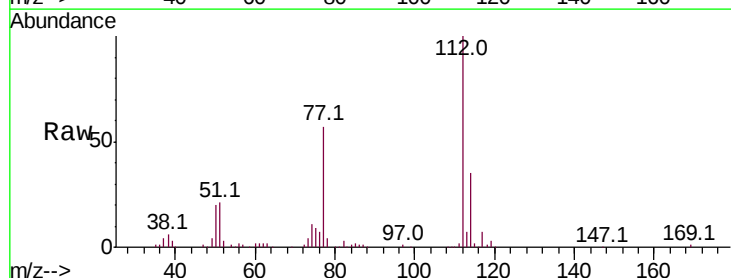


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

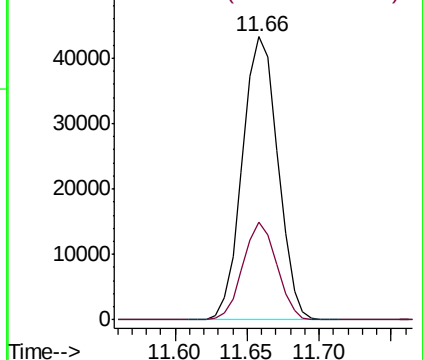
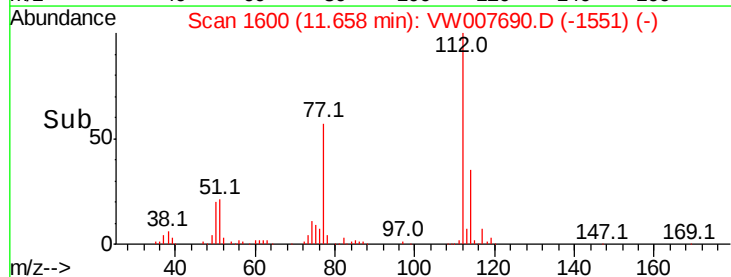


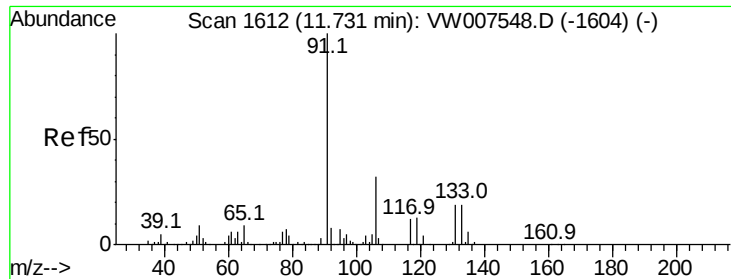
#65
Chlorobenzene
Concen: 53.970 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

Tgt Ion:112 Resp: 73955
Ion Ratio Lower Upper
112 100
114 34.6 27.8 41.8



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 62.961 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

ClientSampleId :

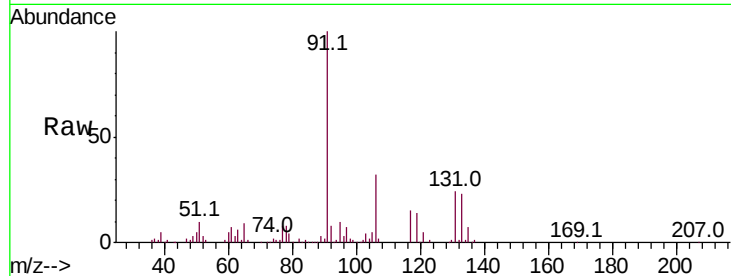
Tot Ion:131 Resp: 30386

Ion Ratio Lower Upper

131 100

133 95.6 47.1 141.4

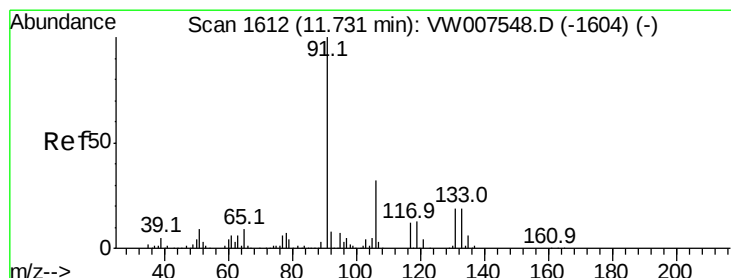
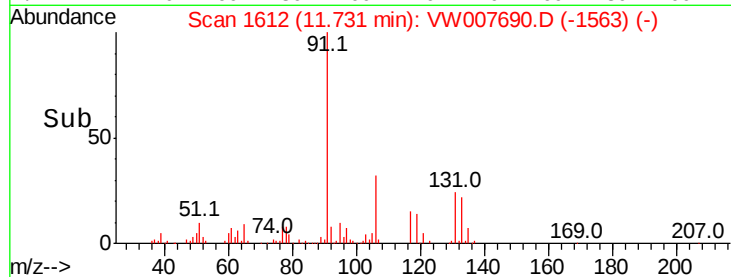
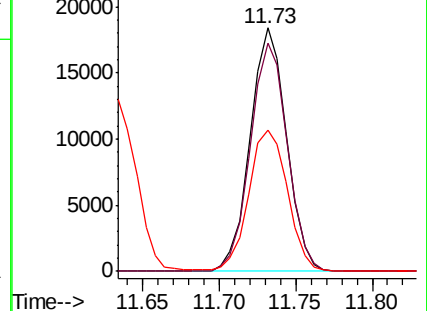
119 62.1 31.3 93.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 51.247 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW007690.D

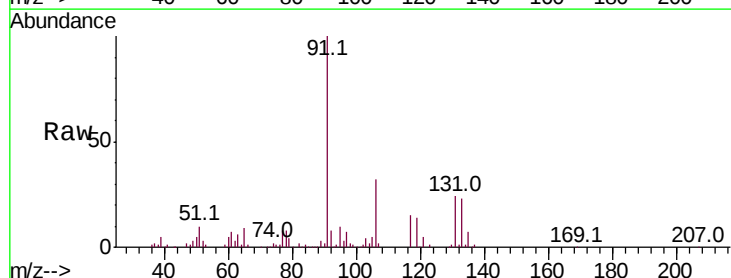
Acq: 19 Dec 2018 07:08

Tgt Ion: 91 Resp: 120733

Ion Ratio Lower Upper

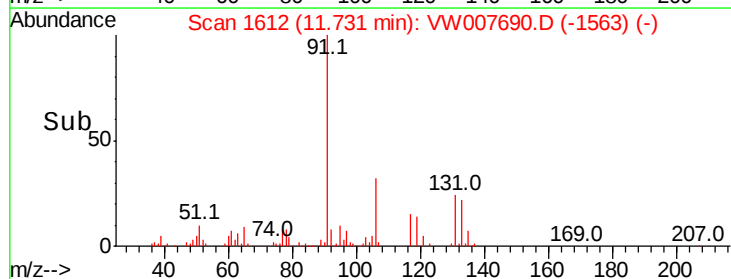
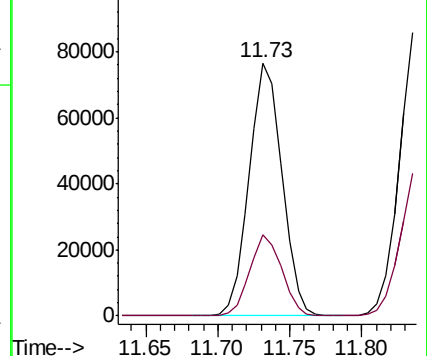
91 100

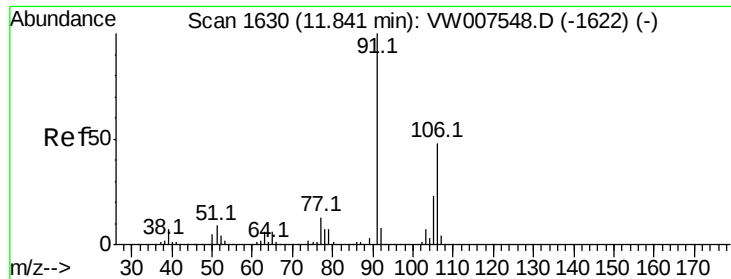
106 31.8 21.8 32.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 99.778 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

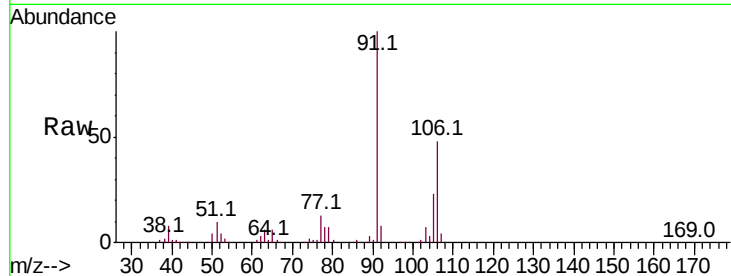
ClientSampleId :

Tot Ion:106 Resp: 91384

Ion Ratio Lower Upper

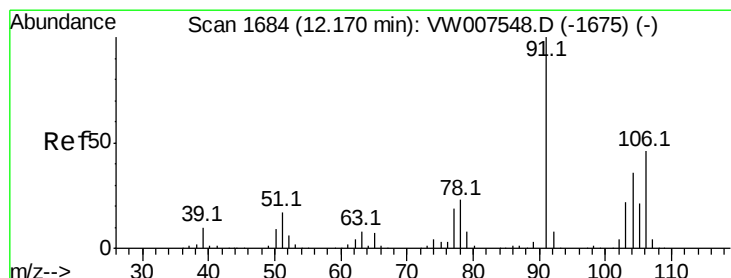
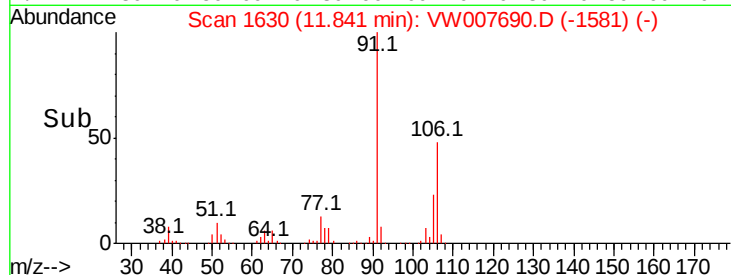
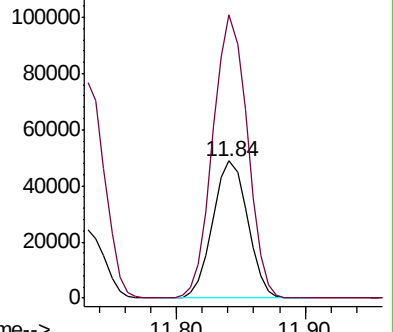
106 100

91 204.2 165.3 247.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#69

o-Xylene

Concen: 51.851 ug/l

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW007690.D

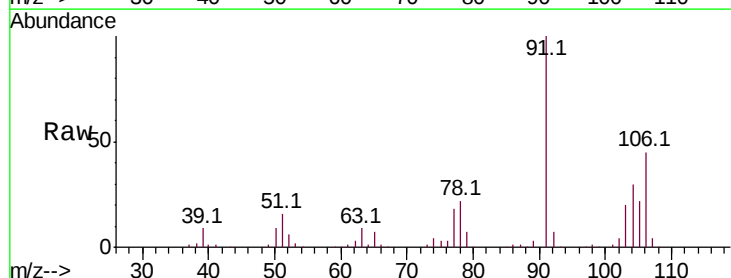
Acq: 19 Dec 2018 07:08

Tgt Ion:106 Resp: 44352

Ion Ratio Lower Upper

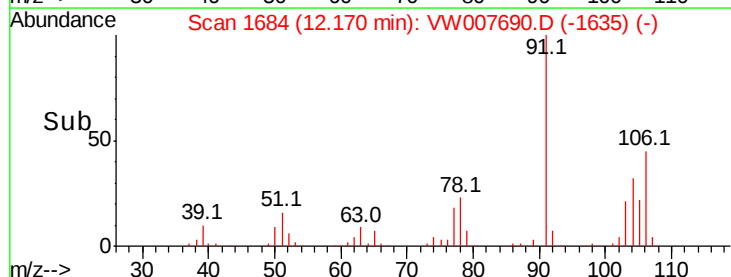
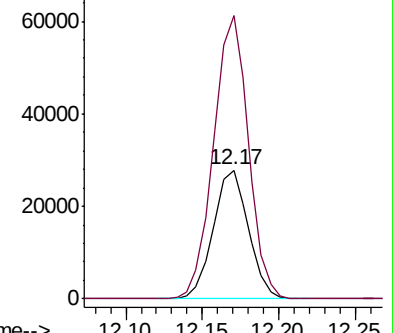
106 100

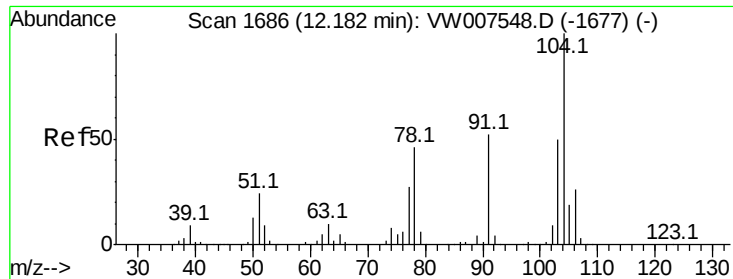
91 218.4 106.6 319.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

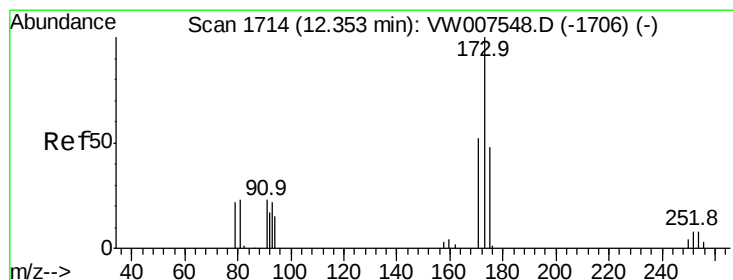
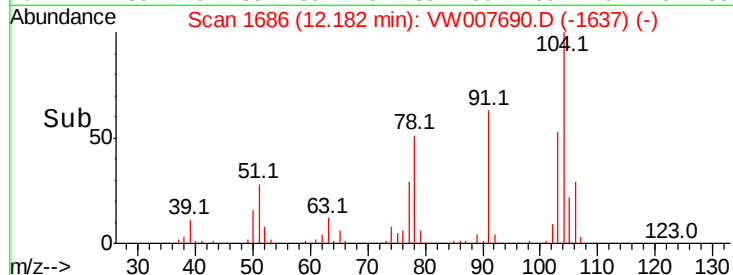
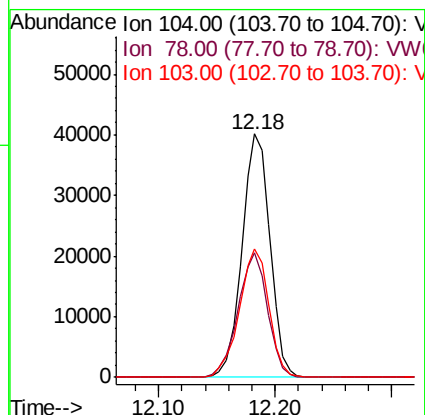
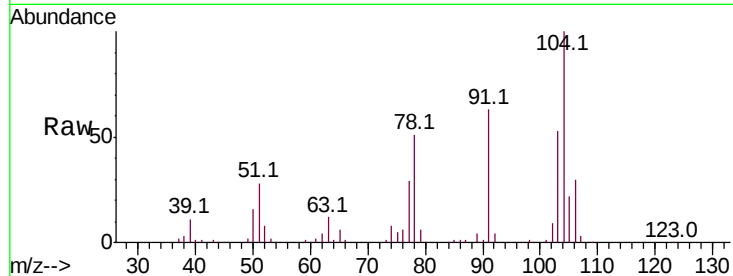




#70
Stvrene
Concen: 48.673 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

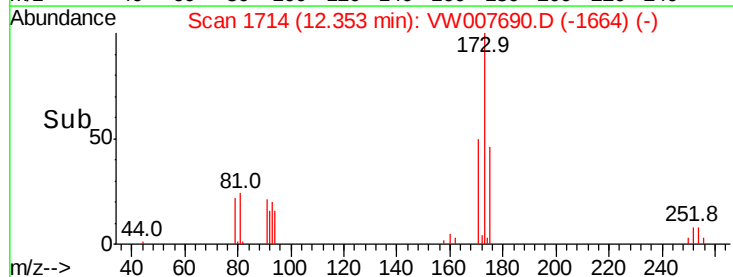
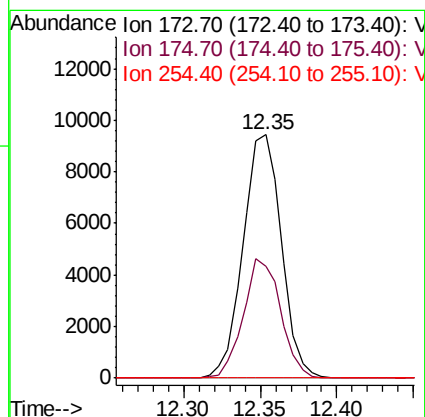
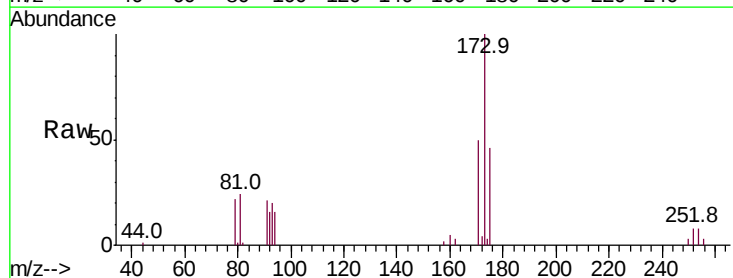
Instrument :
MSVOA_D
ClientSampleId :

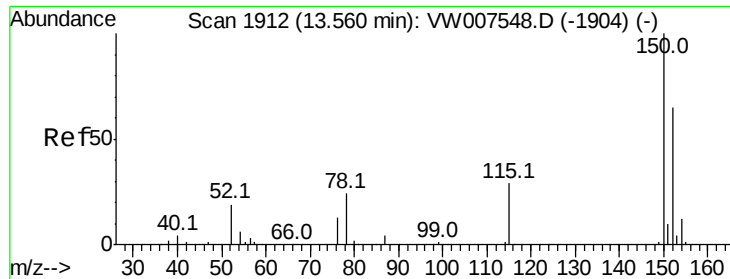
Tot Ion:104 Resp: 67247
Ion Ratio Lower Upper
104 100
78 54.4 41.8 62.8
103 55.6 46.6 69.8



#71
Bromoform
Concen: 66.496 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

Tgt Ion:173 Resp: 16426
Ion Ratio Lower Upper
173 100
175 47.7 23.6 70.8
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

ClientSampleId :

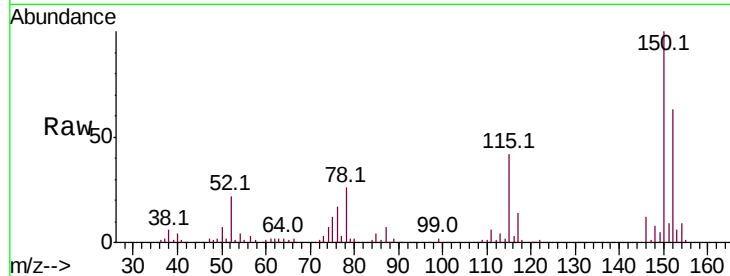
Tot Ion:152 Resp: 24002

Ion Ratio Lower Upper

152 100

115 64.1 31.4 94.2

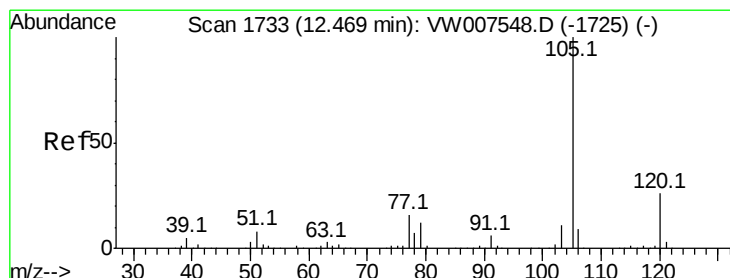
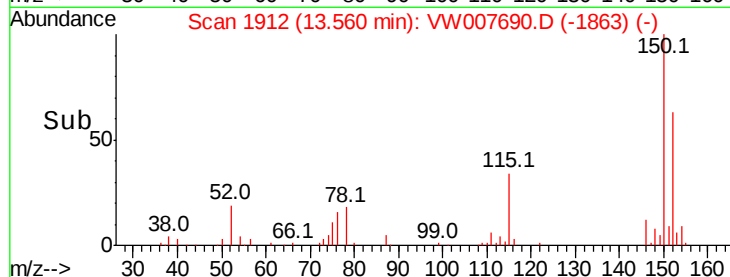
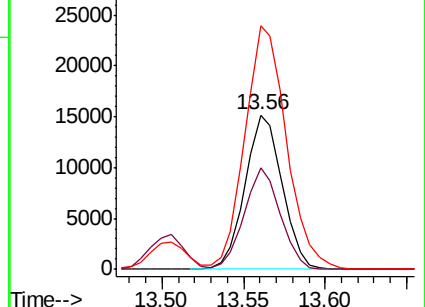
150 176.3 0.0 358.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 55.743 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007690.D

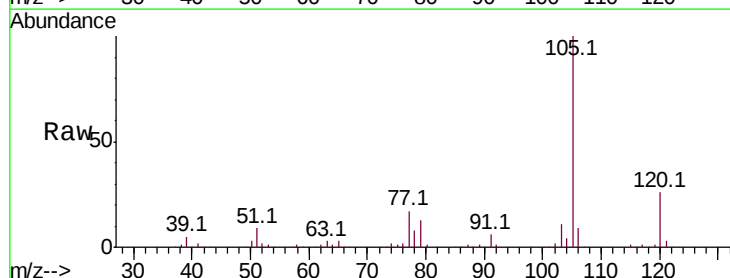
Acq: 19 Dec 2018 07:08

Tgt Ion:105 Resp: 102519

Ion Ratio Lower Upper

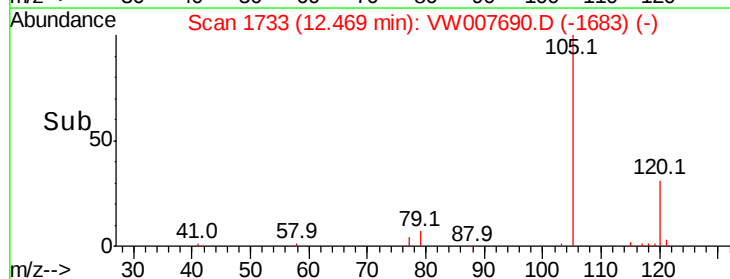
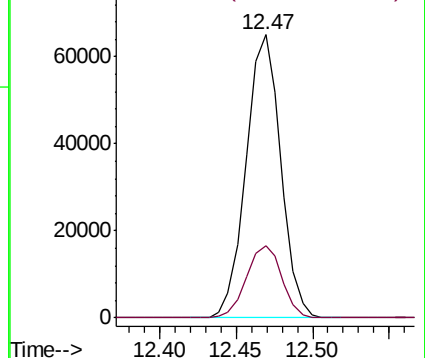
105 100

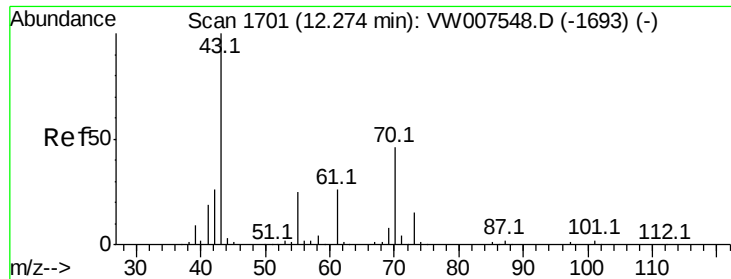
120 26.1 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 3.919 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 43 Resp: 1310

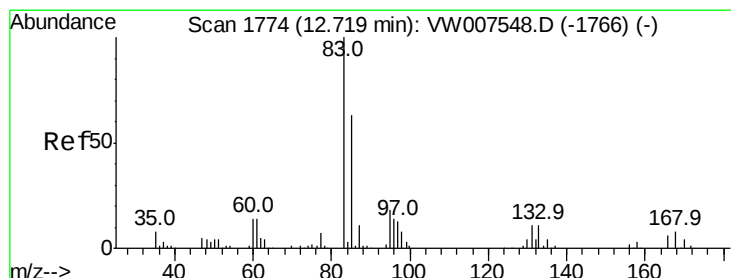
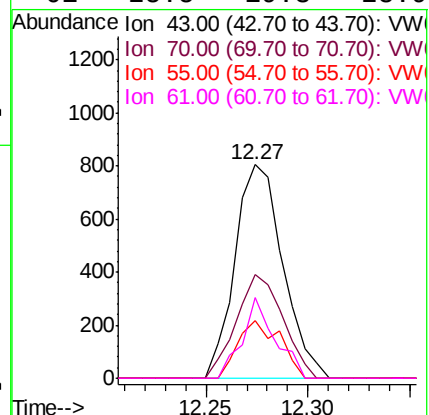
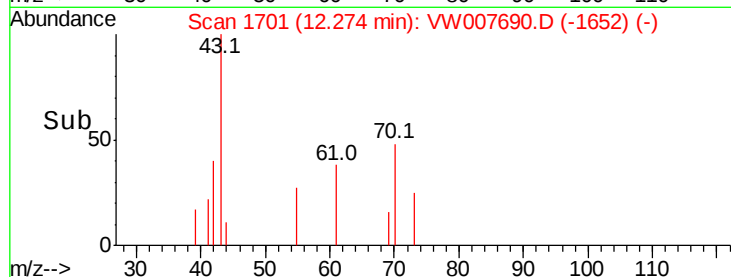
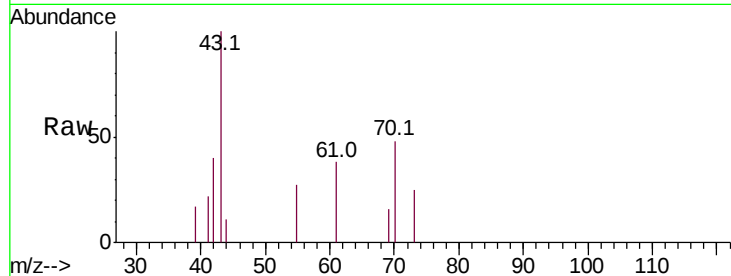
Ion Ratio Lower Upper

43 100

70 47.3 36.5 54.7

55 23.6 20.1 30.1

61 25.5 19.3 28.9



#75

1,1,2,2-Tetrachloroethane

Concen: 87.714 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

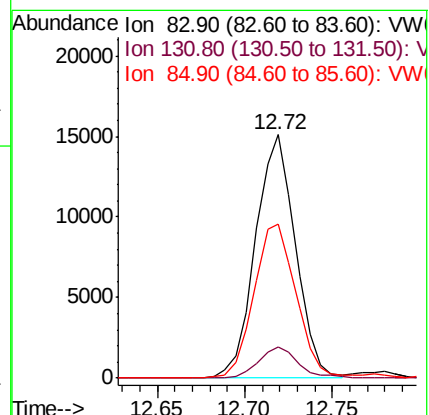
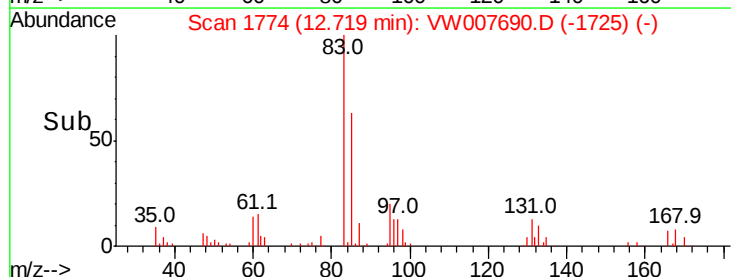
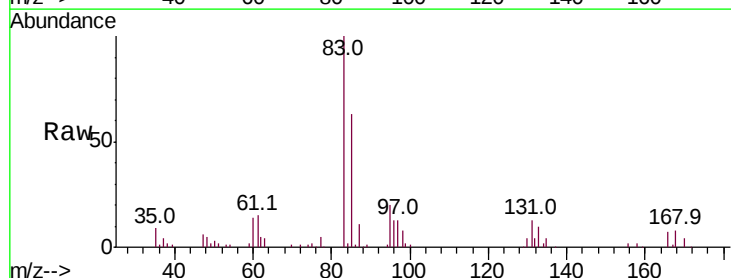
Tgt Ion: 83 Resp: 23893

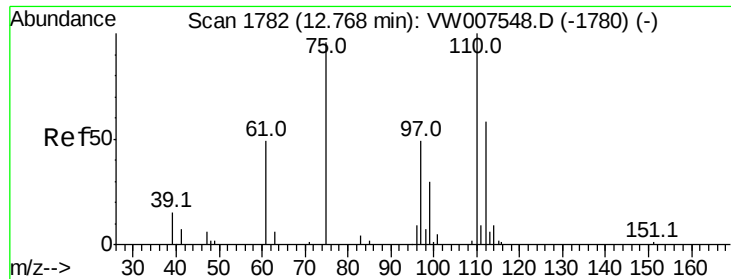
Ion Ratio Lower Upper

83 100

131 12.6 5.9 17.8

85 66.8 30.0 90.0





#76

1,2,3-Trichloropropane

Concen: 163.231 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

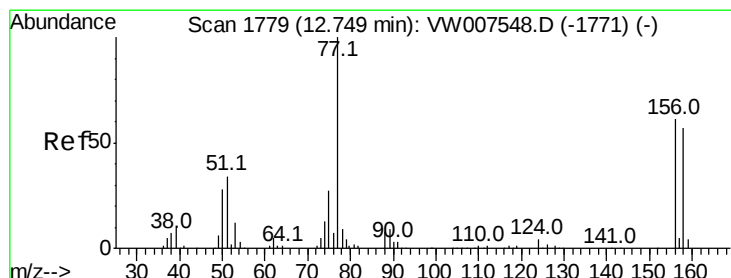
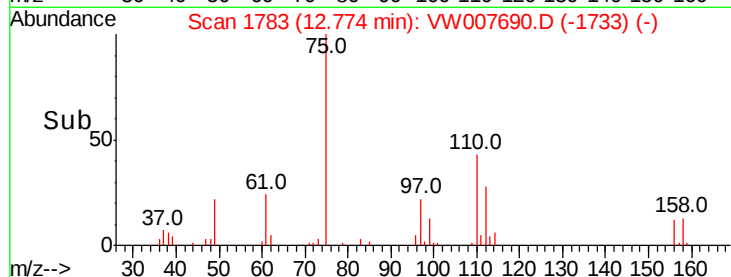
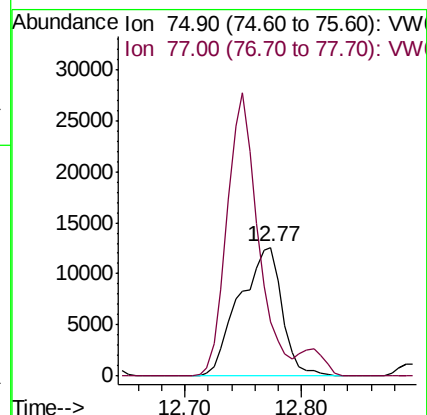
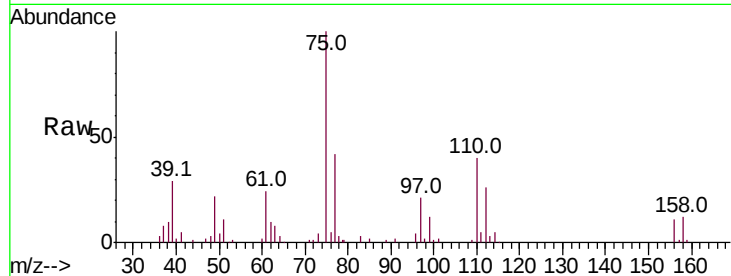
ClientSampled :

Tot Ion: 75 Resp: 32304

Ion Ratio Lower Upper

75 100

77 0.0 166.9 500.8#



#77

Bromobenzene

Concen: 69.278 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

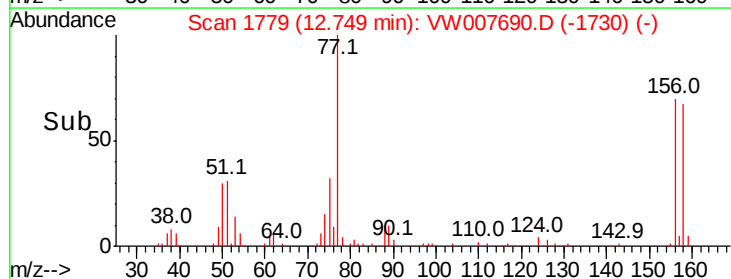
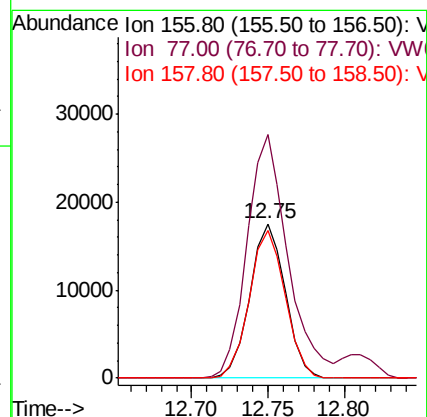
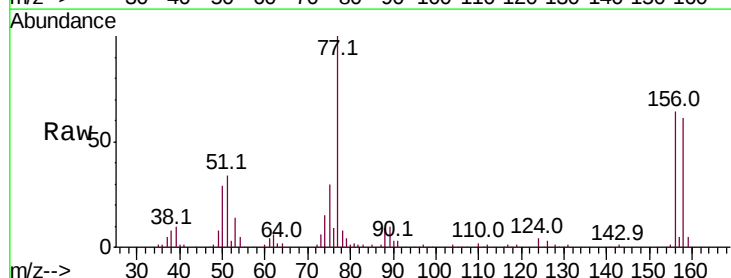
Tgt Ion:156 Resp: 28242

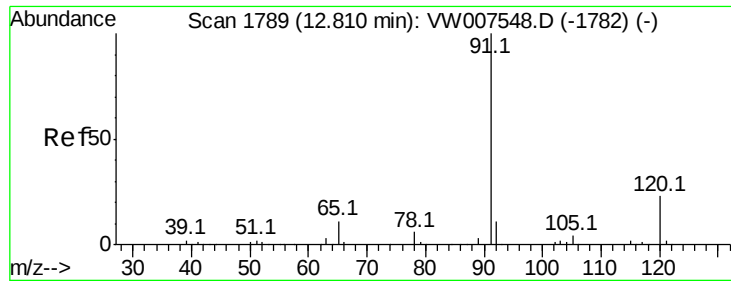
Ion Ratio Lower Upper

156 100

77 181.8 88.1 264.4

158 96.8 45.6 136.7





#78

n-propylbenzene

Concen: 50.828 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

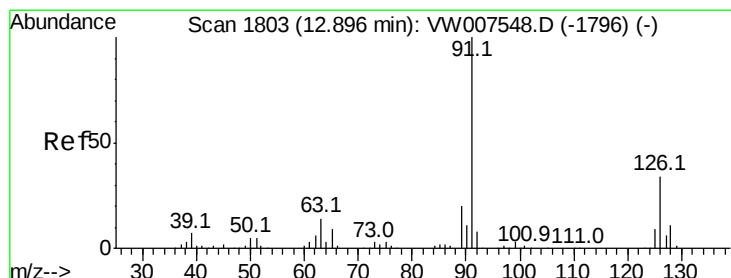
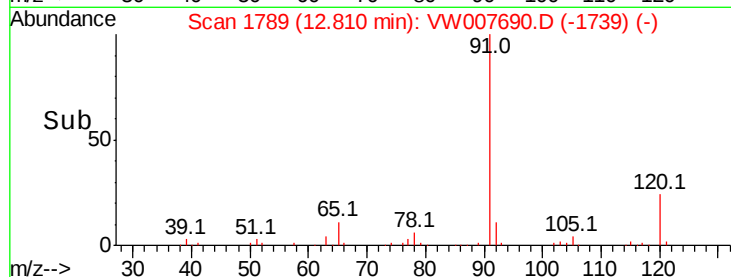
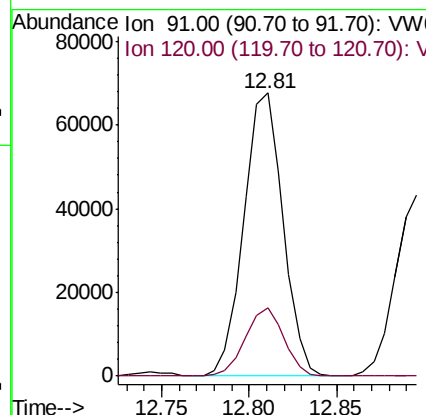
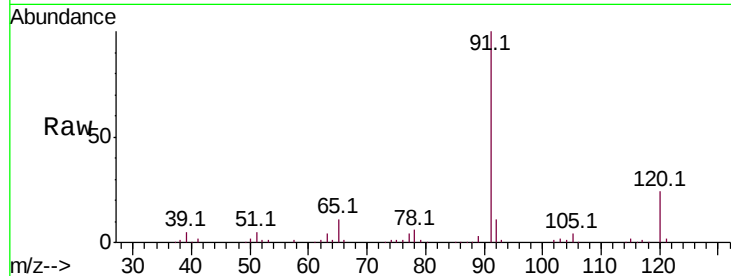
ClientSampleId :

Tot Ion: 91 Resp: 105201

Ion Ratio Lower Upper

91 100

120 23.7 11.9 35.5



#79

2-Chlorotoluene

Concen: 54.689 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW007690.D

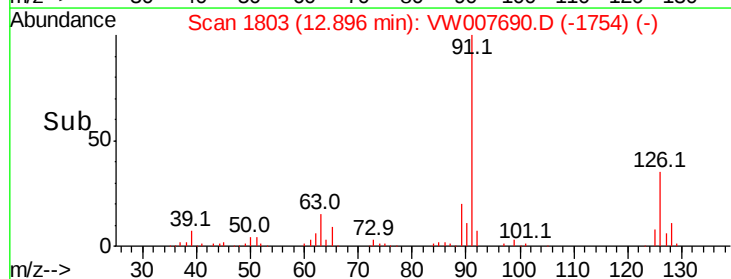
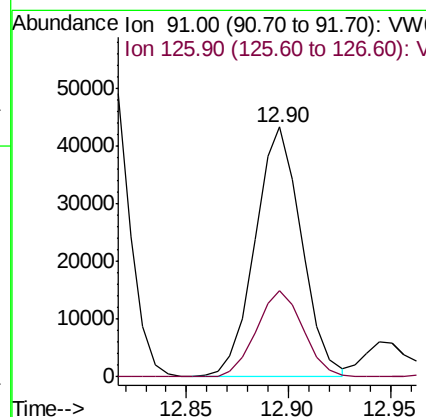
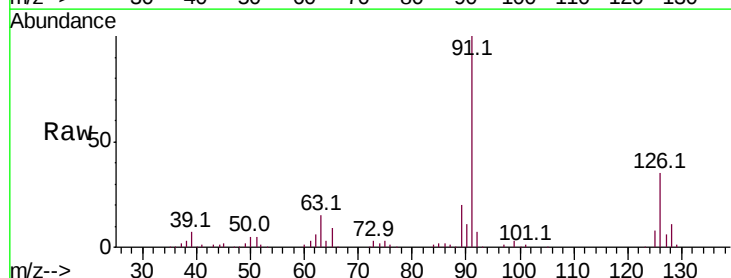
Acq: 19 Dec 2018 07:08

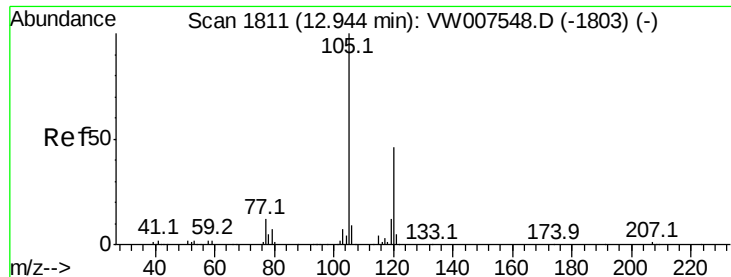
Tgt Ion: 91 Resp: 68491

Ion Ratio Lower Upper

91 100

126 34.7 15.9 47.6

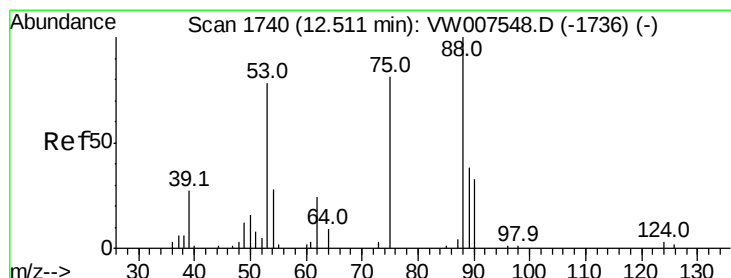
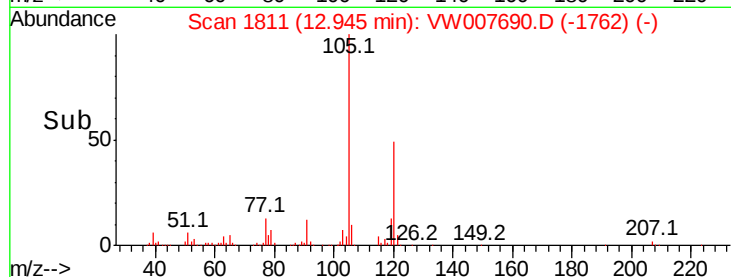
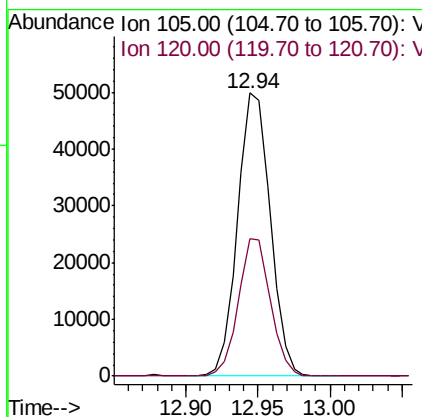
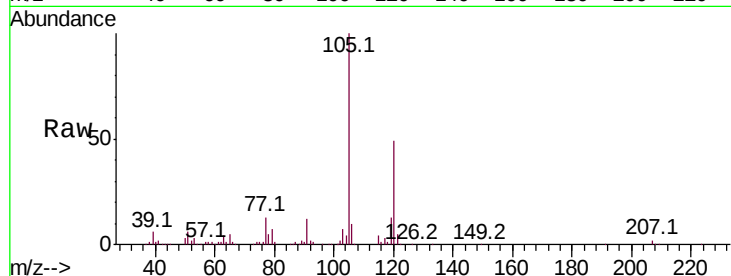




#80
 1,3,5-Trimethylbenzene
 Concen: 50.971 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW007690.D
 Acq: 19 Dec 2018 07:08

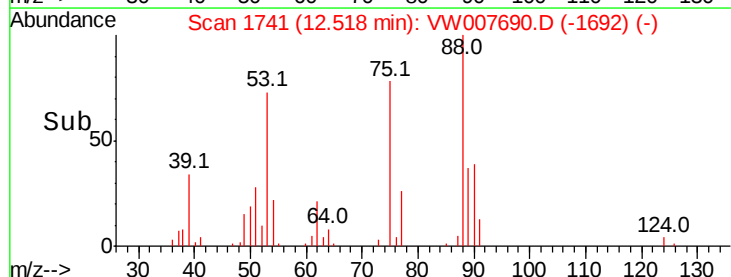
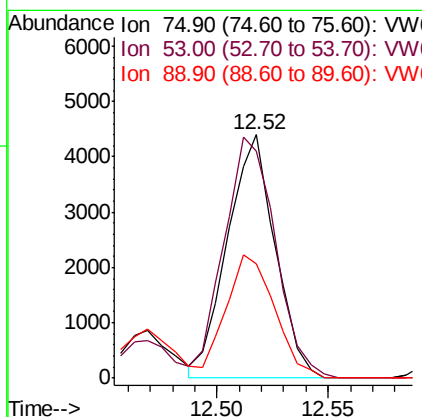
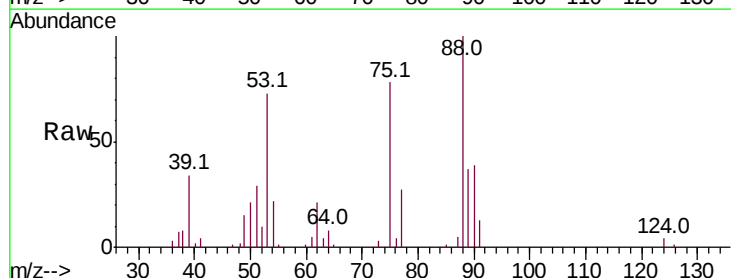
Instrument :
 MSVOA_D
 ClientSampled :

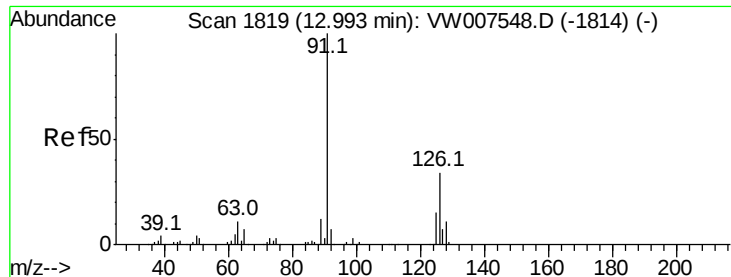
Tot Ion:105 Resp: 78767
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.8 71.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.446 ug/l
 RT: 12.52 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VW007690.D
 Acq: 19 Dec 2018 07:08

Tgt Ion: 75 Resp: 6580
 Ion Ratio Lower Upper
 75 100
 53 106.6 84.9 127.3
 89 51.0 40.3 60.5

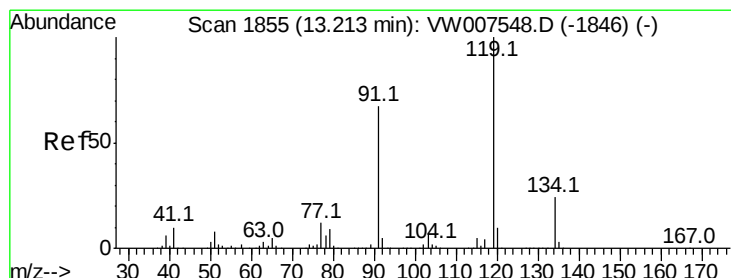
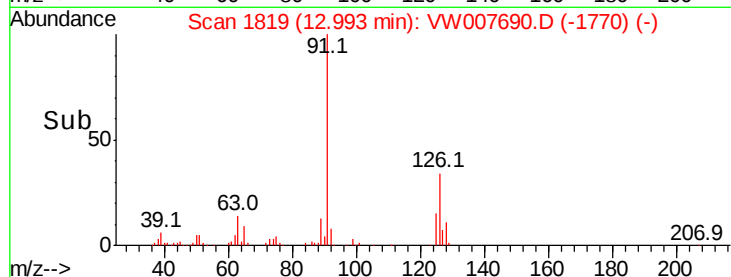
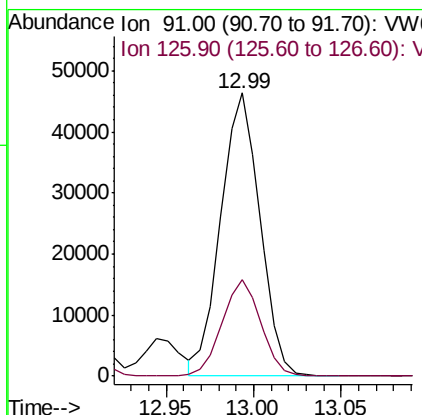
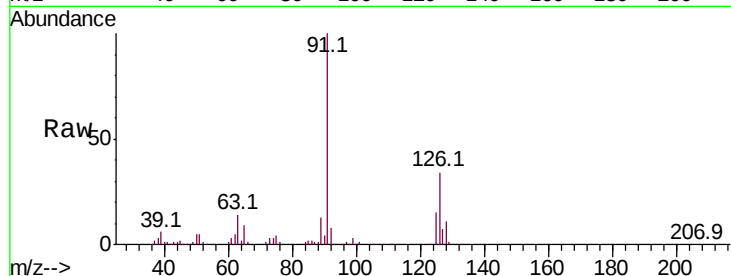




#82
4-Chlorotoluene
Concen: 54.595 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

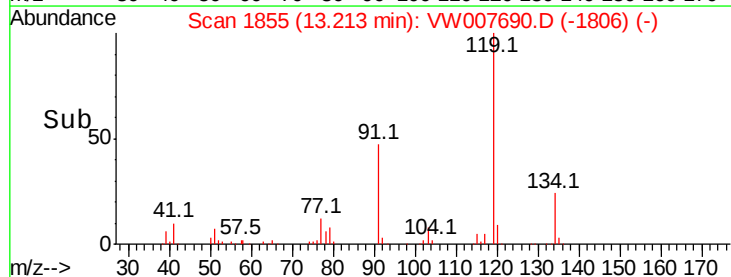
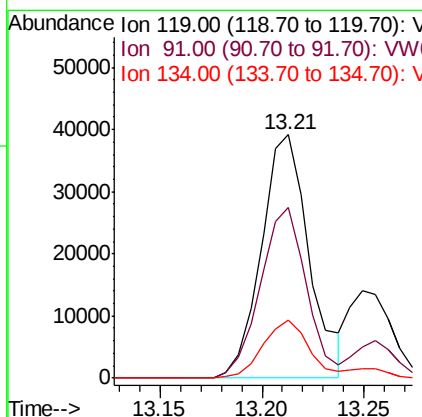
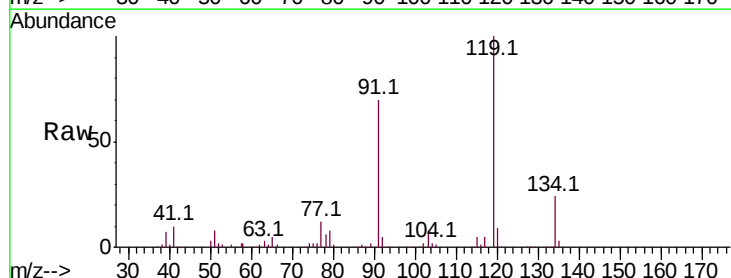
Instrument :
MSVOA_D
ClientSampled :

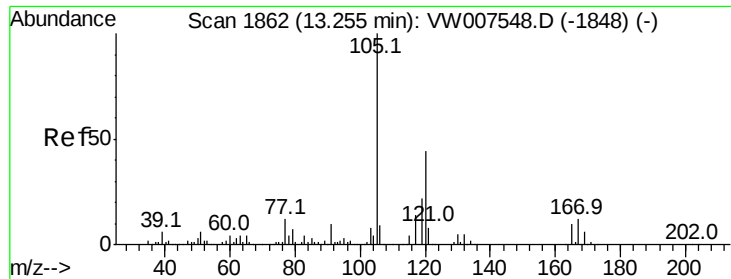
Tot Ion: 91 Resp: 72073
Ion Ratio Lower Upper
91 100
126 34.0 16.0 48.0



#83
tert-Butylbenzene
Concen: 46.886 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

Tgt Ion: 119 Resp: 63842
Ion Ratio Lower Upper
119 100
91 67.7 33.1 99.2
134 22.9 12.5 37.5

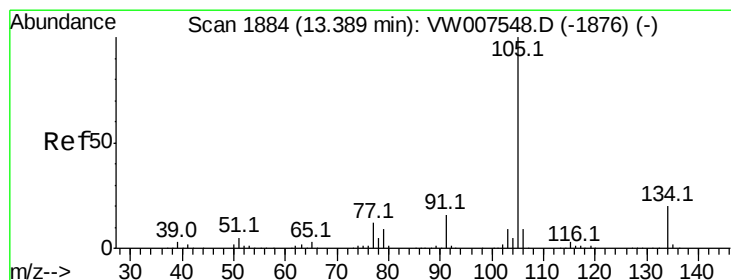
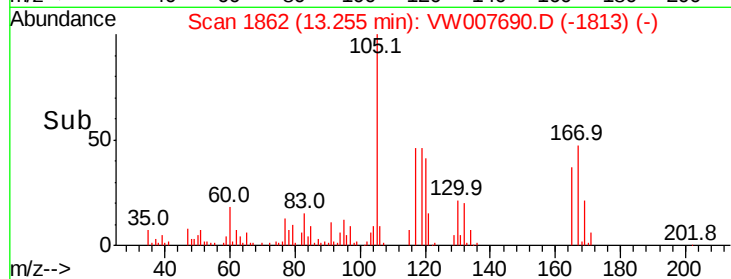
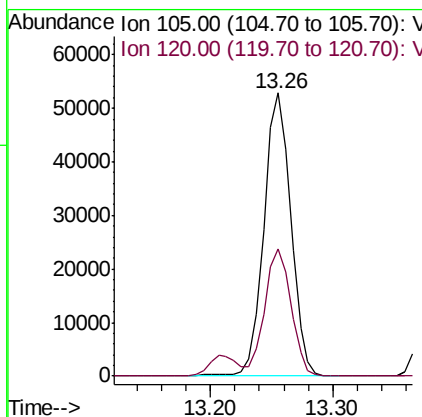
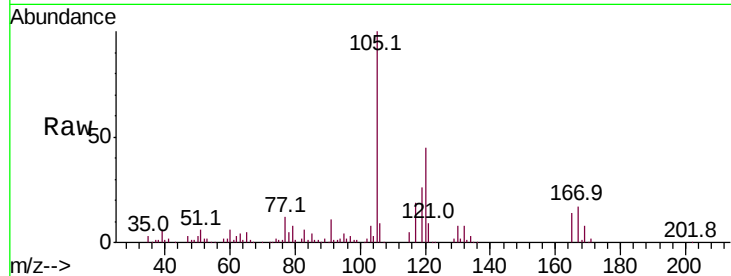




#84
 1,2,4-Trimethylbenzene
 Concen: 51.011 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW007690.D
 Acq: 19 Dec 2018 07:08

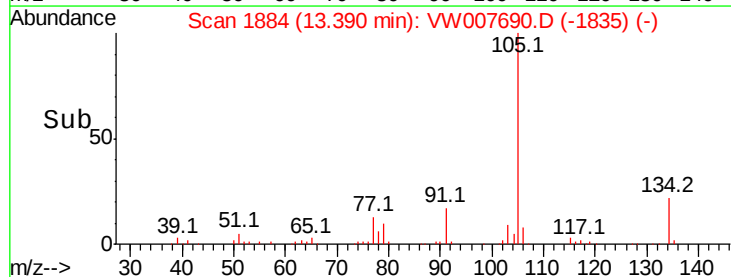
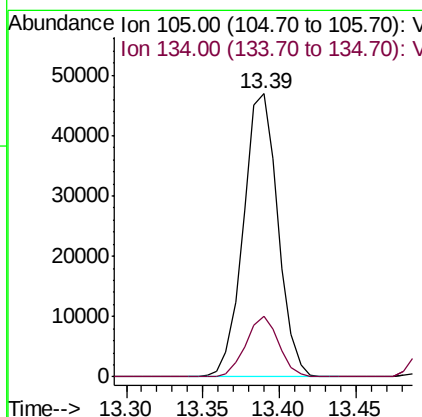
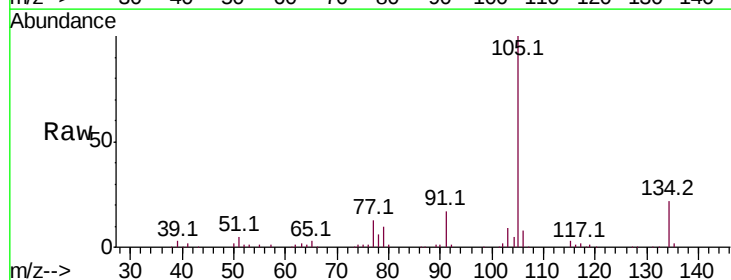
Instrument :
 MSVOA_D
 ClientSampleId :

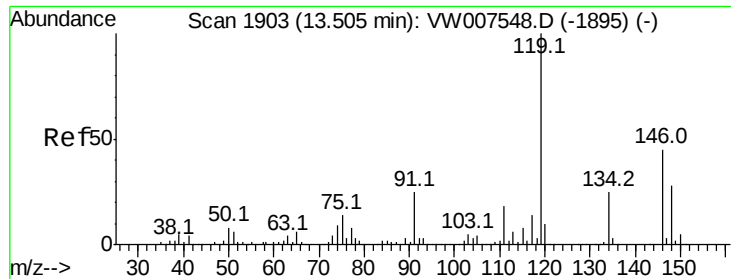
Tot Ion:105 Resp: 81119
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.6 67.7



#85
 sec-Butylbenzene
 Concen: 39.516 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007690.D
 Acq: 19 Dec 2018 07:08

Tgt Ion:105 Resp: 73452
 Ion Ratio Lower Upper
 105 100
 134 20.5 11.1 33.3

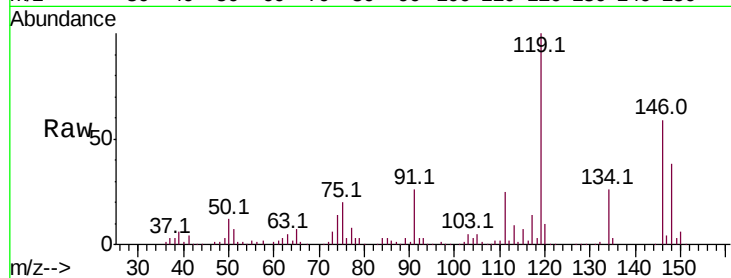




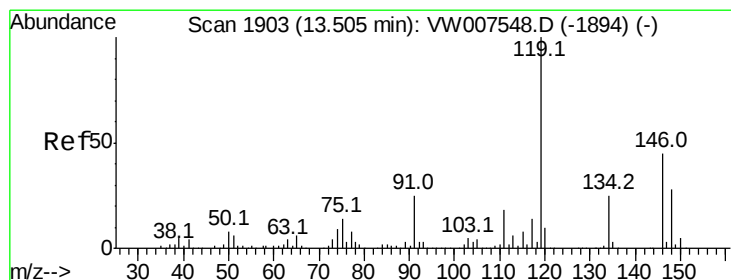
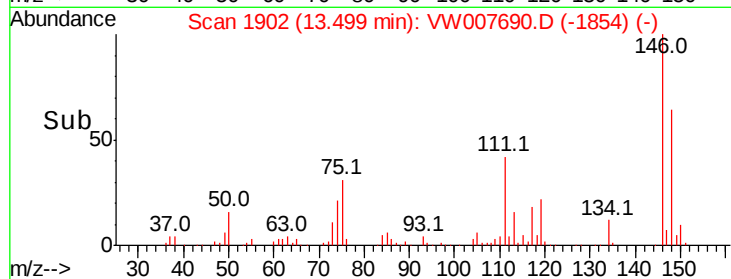
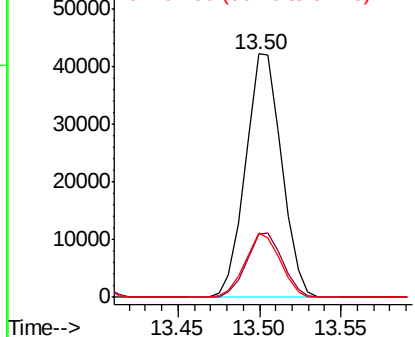
#86
p-Isopropyltoluene
Concen: 39.160 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.01 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	12.9	38.7
91	25.4	11.9	35.9

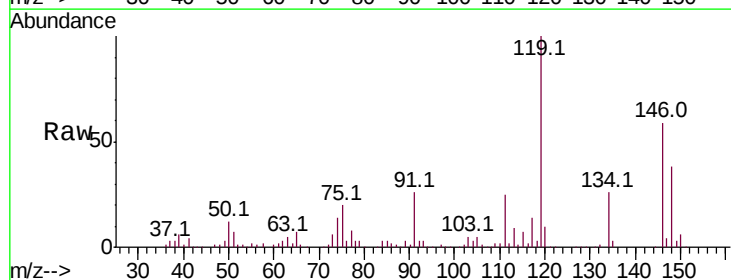


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

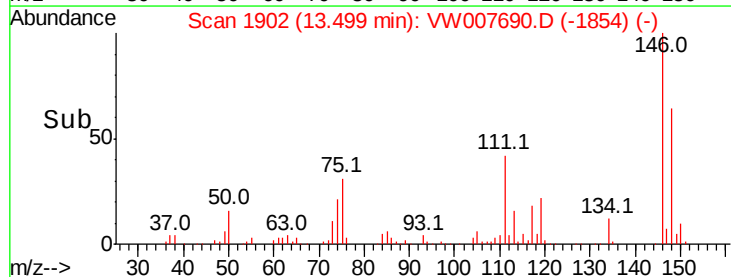
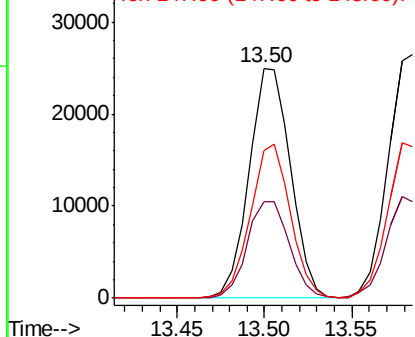


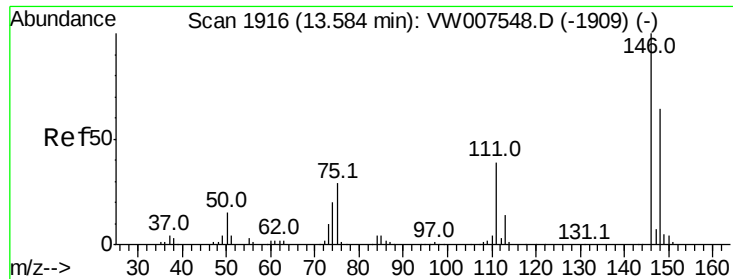
#87
1,3-Dichlorobenzene
Concen: 50.713 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.01 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.1	60.3
148	64.8	31.4	94.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 52.971 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

ClientSampleId :

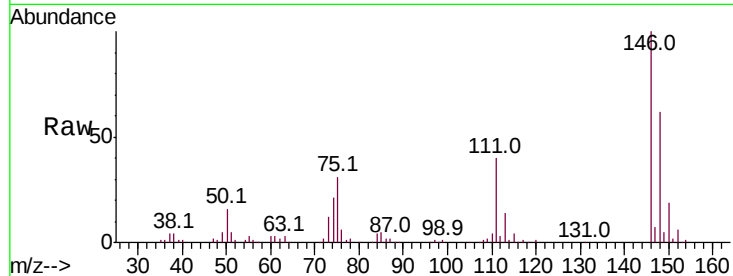
Tot Ion:146 Resp: 43284

Ion Ratio Lower Upper

146 100

111 41.3 20.3 61.0

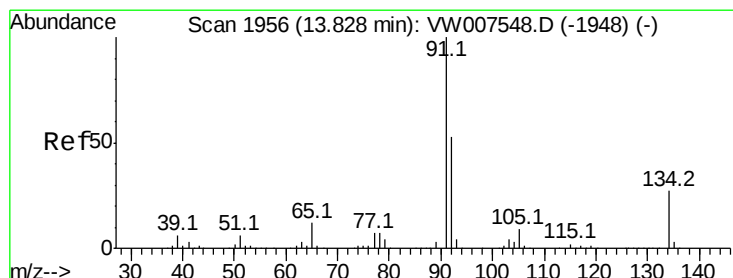
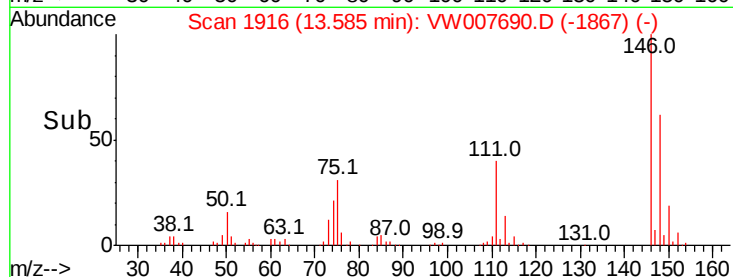
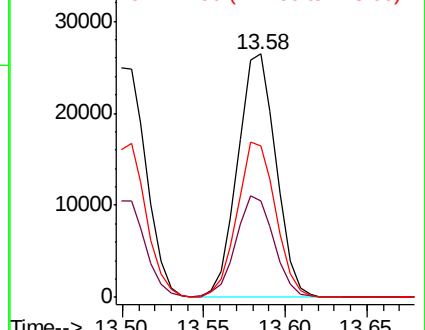
148 63.8 33.5 100.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 29.935 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

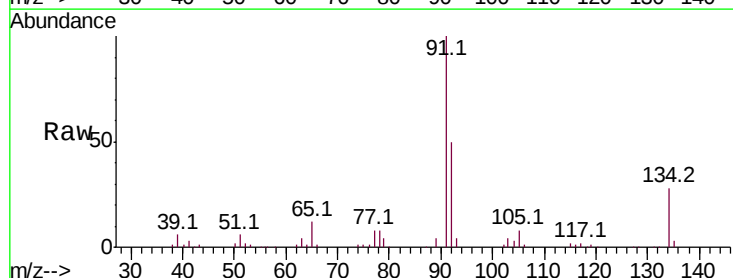
Tgt Ion: 91 Resp: 46341

Ion Ratio Lower Upper

91 100

92 51.8 25.7 77.1

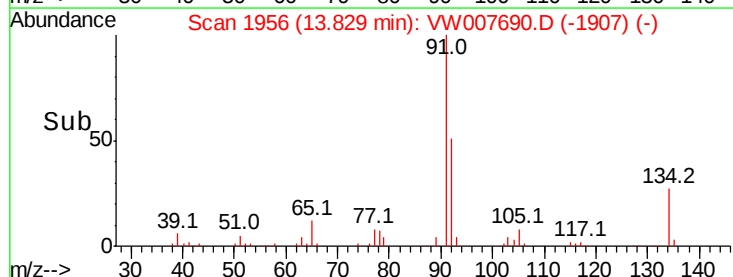
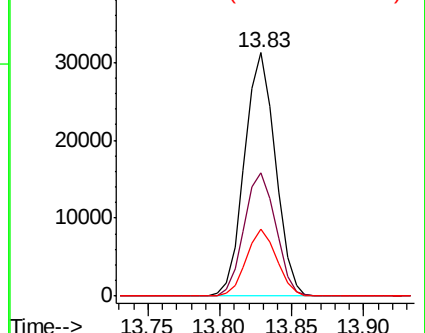
134 27.1 13.4 40.2

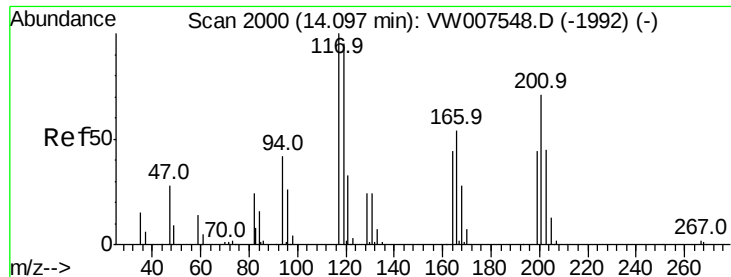


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V

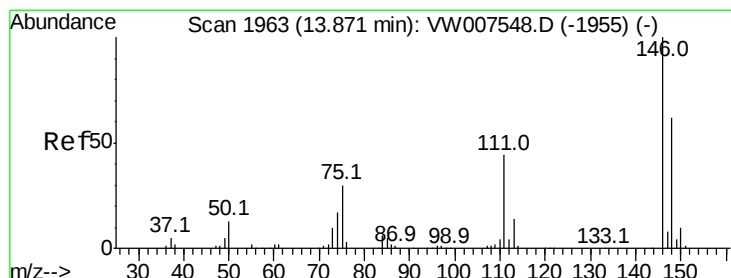
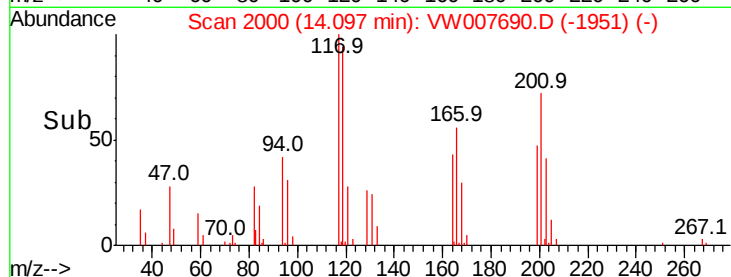
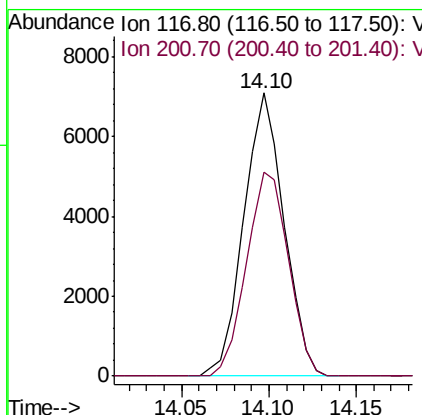
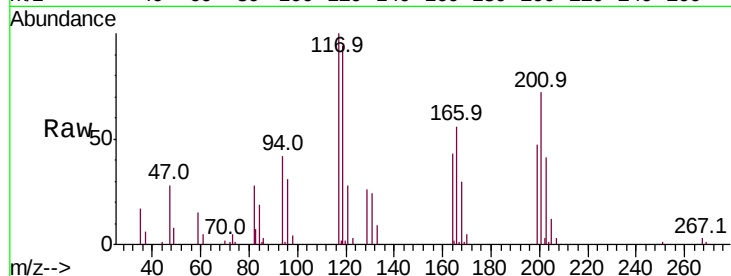




#90
Hexachloroethane
Concen: 38.071 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

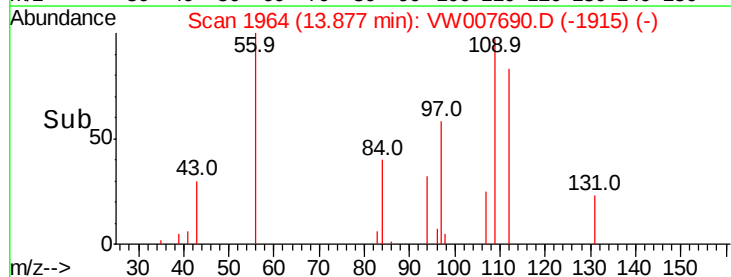
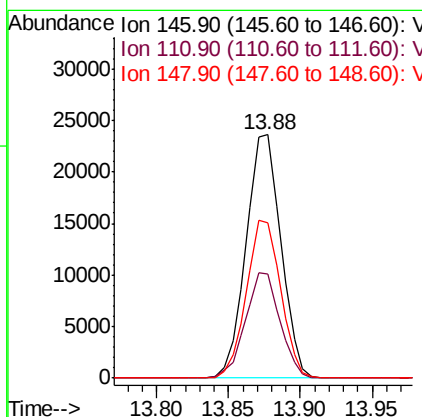
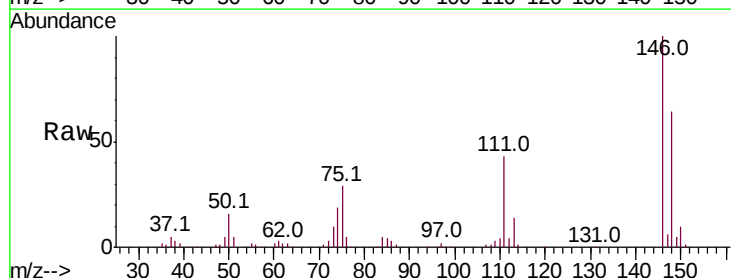
Instrument :
MSVOA_D
ClientSampled :

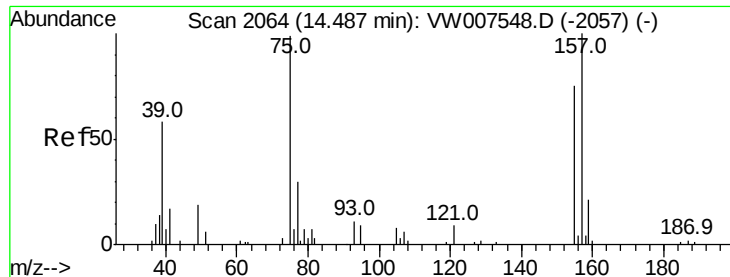
Tot Ion:117 Resp: 11312
Ion Ratio Lower Upper
117 100
201 75.3 35.3 105.9



#91
1,2-Dichlorobenzene
Concen: 54.304 ug/l
RT: 13.88 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

Tgt Ion:146 Resp: 39533
Ion Ratio Lower Upper
146 100
111 42.7 22.4 67.2
148 63.7 32.4 97.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 82.376 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

Instrument :

MSVOA_D

ClientSampleId :

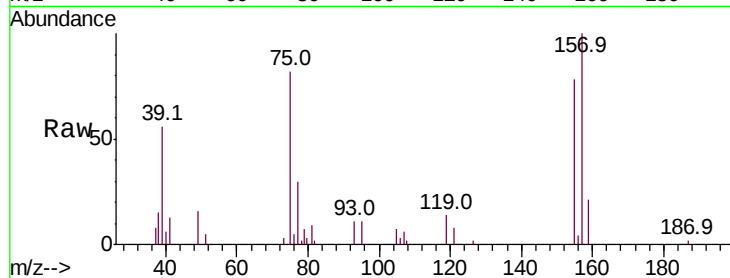
Tot Ion: 75 Resp: 4503

Ion Ratio Lower Upper

75 100

155 86.2 40.8 122.2

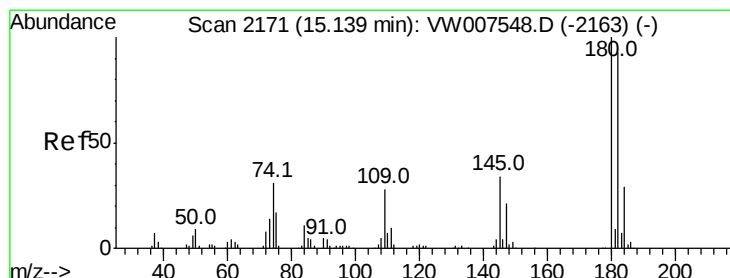
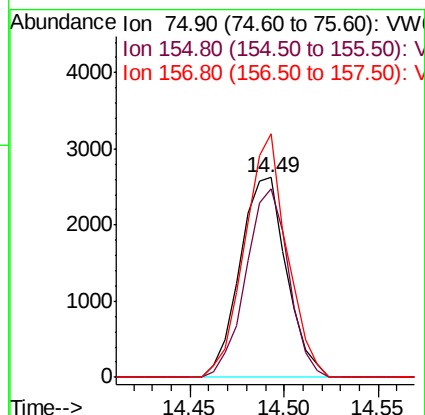
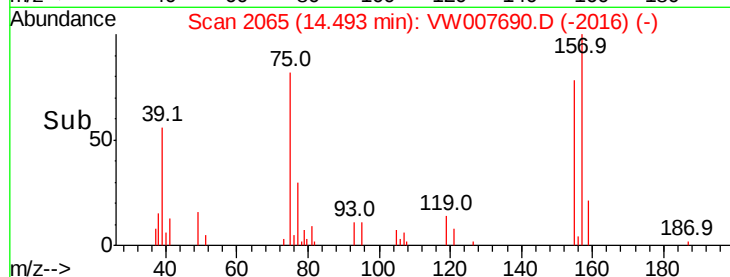
157 110.3 51.1 153.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 27.823 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW007690.D

Acq: 19 Dec 2018 07:08

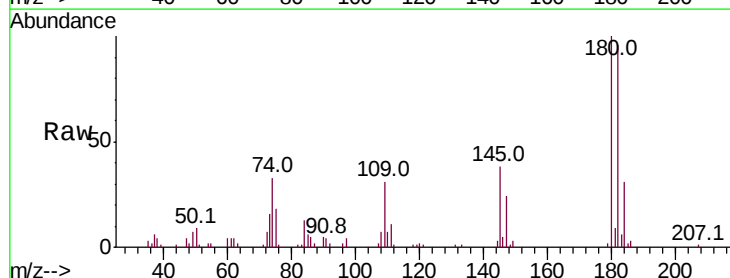
Tgt Ion:180 Resp: 13939

Ion Ratio Lower Upper

180 100

182 89.9 49.9 149.6

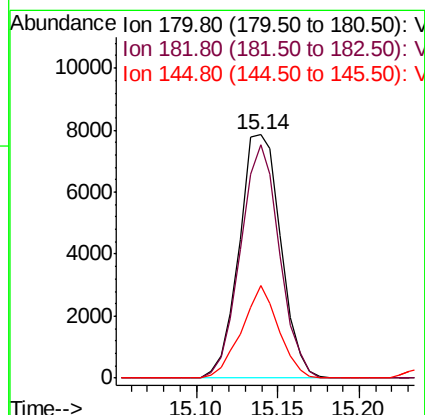
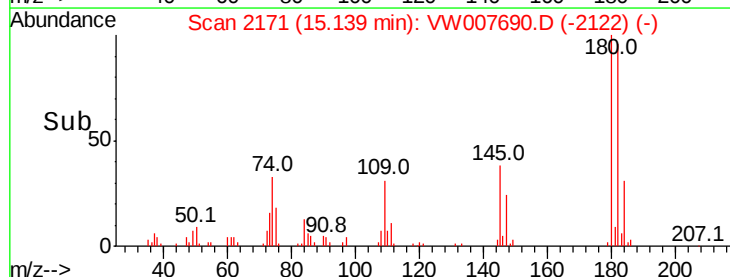
145 33.7 17.8 53.4

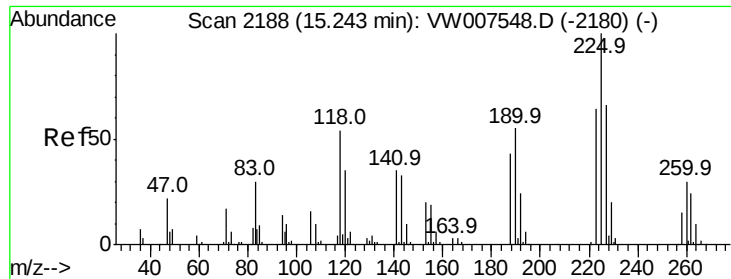


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

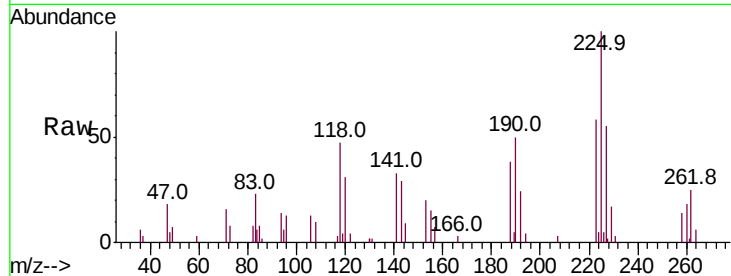




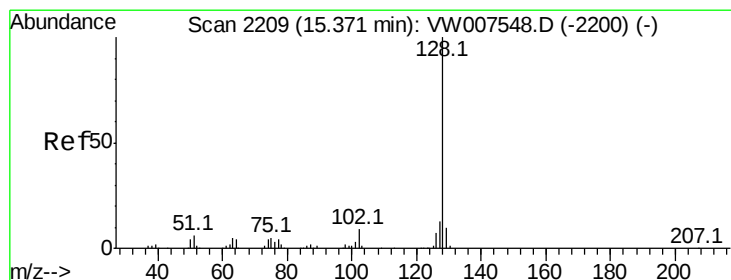
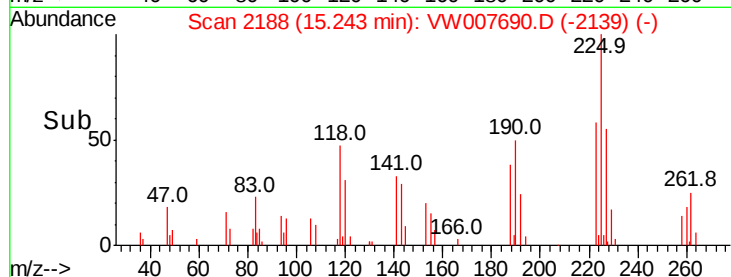
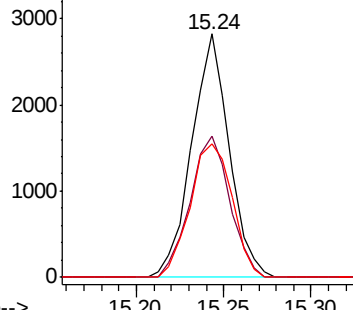
#94
Hexachlorobutadiene
Concen: 15.785 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:225 Resp: 4196
Ion Ratio Lower Upper
225 100
223 61.7 32.1 96.3
227 61.3 31.9 95.9

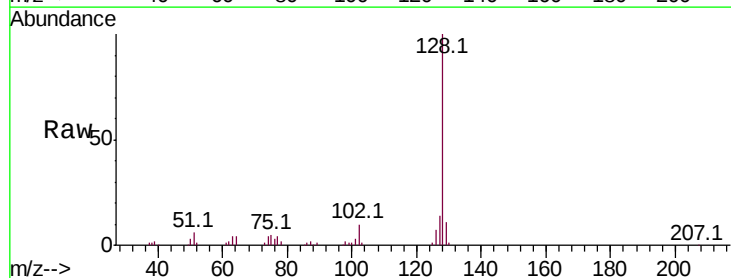


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

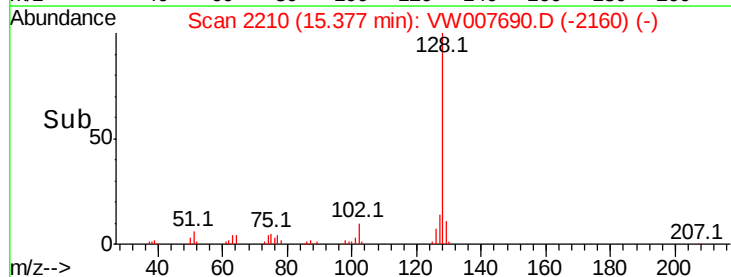
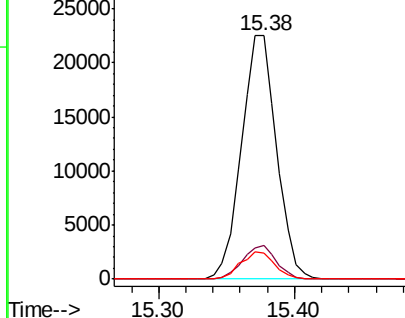


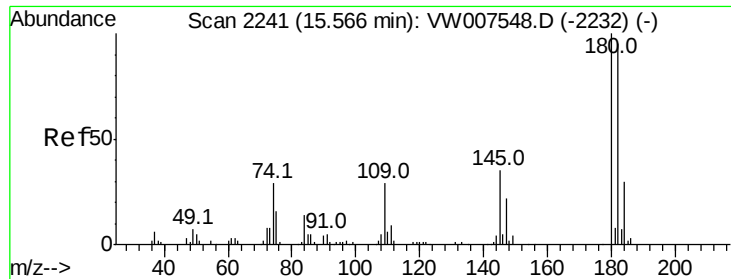
#95
Naphthalene
Concen: 42.347 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007690.D
Acq: 19 Dec 2018 07:08

Tgt Ion:128 Resp: 40586
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 10.7 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

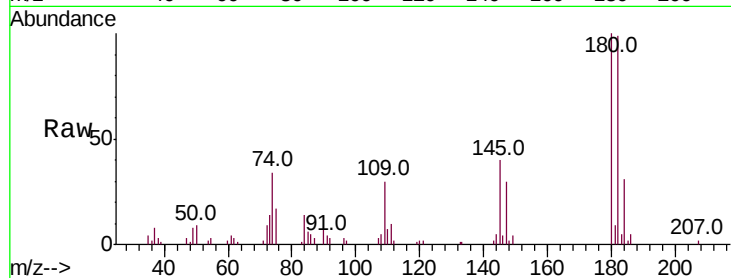




#96
 1,2,3-Trichlorobenzene
 Concen: 26.875 ug/l
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW007690.D
 Acq: 19 Dec 2018 07:08

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	45.6	136.7
145	36.7	17.5	52.5



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

